

Chapter 29 References

This chapter lists the works cited in this EIS, and other works consulted to prepare this EIS.

29.1 Works Cited

40 Mile Loop Land Trust. 2011. History of the 40-Mile Loop. Accessed February 9, 2011 at <http://www.40mileloop.org/history.htm>

Aalde, Harald , Patrick Gonzalez, Michael Gytarsky, Thelma Krug, Werner A. Kurz, Rodol D. Lasco, Daniel L. Martino , Brian G. McConkey, Stephen Ogle, Keith Paustian, John Raison, N. H. Ravindranath, Dieter Schoene, Pete Smith, Zoltan Somogyi, Andre van, Amstel, and Louis Verchot. 2006. 2006 IPCC Guidelines for National Greenhouse Gas Inventories. Volume 4, Chapter 2: Generic Methodologies Applicable to Multiple Land Use Categories. Accessed February 28, 2011 at http://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/4_Volume4/V4_02_Ch2_Generic.pdf

AirNav. 2011. Airport data. Accessed June 23, 2011 at <http://www.airnav.com/airports/>

Altman, B., M. Hayes, S. Janes, and R. Forbes. 2001. Wildlife of westside grassland and chaparral habitats. Pages 261-291 in: D. H. Johnson and T. A. O'Neil, Managing Directors. Wildlife-habitat relationships in Oregon and Washington. Oregon State University Press, Corvallis. 736 pages.

American Conference of Governmental Industrial Hygienists (ACGIH). 2008. 2008 TLVs and BEIs: Threshold limit values for chemical substances and physical agents and biological exposure indices. American Conference of Governmental Industrial Hygienists, Cincinnati. 251 pages.

American Society of Civil Engineers (ASCE). 2010. Guidelines for electrical transmission line structural loading. C. J. Wong and M. D. Miller (editors). Manuals of Practice (MOP) 74.

Archaeological Investigations Northwest, Inc. (AINW). 2011. Cultural Resource Study of the Proposed I-5 Corridor Reinforcement Project, Lewis, Cowlitz, and Clark Counties, Washington, and Multnomah County, Oregon. Prepared for the Bonneville Power Administration. May 27, 2011.

Arnett, Joseph. Rare plant botanist, Natural Heritage Program, Washington State Department of Natural Resources, Olympia, Washington. February 8, 2011. Personal communication with Josh Wozniak, Herrera Environmental Consultants, Inc., re: rare plant database and search areas.

Arora, R. and W. Mosch. 1995. High voltage insulation engineering, Section 2.2.6.1 Chemical Decomposition of Air by Corona, 1995; pages 133-134.

Association of Bay Area Governments (ABAG). 2010. Modified Mercalli Intensity Scale. Accessed September 16, 2010 at <http://www.abag.ca.gov/bayarea/eqmaps/doc/mmi.html>

- Avian Power Line Interaction Committee (APLIC). 2006. Suggested practices for avian protection on power lines. The state of the art in 2006. Edison Electric Institute, Avian Power Line Interaction Committee, and the California Energy Commission, Washington D.C. and Sacramento, California.
- Blair, Pam. 2009. Vandalism of the electrical system. Ruralite, June 24, 2009. Accessed August 27, 2010 at <http://www.ruralite.org/news/story.php?ID=257>
- Bonneville Power Administration (BPA), U.S. Department of Energy (USDOE). 1980. A practical handbook for the correction of radio interference from overhead powerlines and facilities. May 1980. Portland, OR.
- . 1986. Electrical and biological effects of transmission lines: a review. DOE/BP 524. January 1986. Bonneville Power Administration, Portland, OR.
- . 1986. Electrical and biological effects of transmission lines: a review. DOE/BP 2938 December 1996 1M. Bonneville Power Administration, Portland, OR.
- . 1987. Access Road Planning and Design Manual. Adopted 1987.
- . 2000a. Transmission System Vegetation Management Program, Final Environmental Impact Statement. DOE/EIS-0285. May 2000.
- . 2000b. Transmission System Vegetation Management Program, Record of Decision. DOE/EIS-0285. July 2000.
- . 2002. Transmission System Vegetation Management Program, Final Environmental Impact Statement DOE/EIS-0285. May 2002.
- . 2007. Living and working safely around high-voltage power lines. DOE/BP-3804. 16 pages. Accessed October 2007 at http://www.bpa.gov/corporate/pubs/Public_Service/LivingAndWorking.pdf
- . 2010. Audible noise policy. STD-D-000010. Portland, OR.
- . 2011. LiDAR imagery. Data compiled May to October 2011. Portland, OR.
- . 2012. Geographic Information System Regional Database. Portland, OR. 2010-2012.
- Bottemiller, Stephen. Realty Specialist, Bonneville Power Administration, Portland, Oregon. August 1, 2012. Personal communication with Nancy Wittpenn, Bonneville Power Administration, re: Property value study.
- Bottemiller, S., J. M. Cahill and J. R. Cowger. 2000. Impacts on residential property values along transmission lines: an update study of three Pacific Northwest metropolitan areas. Right of Way, July/August: pages 18-20, 55.
- Bracken, T. D. 1990. The EMDEX project: Technology transfer and occupational measurements, volumes 1-3 interim report. EPRI Report EN-7048 (EPRI EN-7048) Electric Power Research Institute, Palo Alto, CA.

- . 2011. Electrical Effects for the I-5 Corridor Reinforcement Project. Portland, Oregon. October 2011.
- Bramble, W. C., R. H. Yahner, and W. R. Byrnes. 1994. Nesting of breeding birds on an electric utility line right-of-way. *Journal of Arboriculture* 20, pages 124-129.
- Bungee Masters, Inc. 2011. Pacific Northwest Bridge. Accessed June 27, 2011 at http://www.bungee.com/bzapp/bungee_masters/bridge.html
- Bureau of Land Management (BLM). 1986a. Visual resource inventory. BLM Manual Handbook H-8410-1. U.S. Bureau of Land Management, U.S. Department of the Interior, Washington, D.C. 7 pages.
- . 1986b. Visual resource contrast rating. BLM Manual Handbook H-8431. U.S. Bureau of Land Management, U.S. Department of the Interior, Washington, D.C. 29 pages.
- . 2009. Oregon/Washington Surface Management Ownership. Accessed April 2010 at <http://www.blm.gov/or/gis/data-details.php?data=ds000026>
- Burgess, Phil. Clark County vegetation management, Vancouver, Washington. February 11, 2011. Personal communication with Josh Wozniak, Herrera Environmental Consultants, Inc., re: the extents of noxious weed mapping in Clark County.
- Camas Meadows Golf Club. 2010. Camas Meadows golf club. Accessed July 29, 2010 at <http://www.camasmeadows.com/sites/courses/layout9.asp?id=538&page=27700>
- Camp Currie. 2010. J D Currie Youth Camp, Camas, Washington. Accessed July 29, 2010 at <http://www.campcurrie.org/>
- Caplow, F. and J. Miller. 2004. Southwestern Washington prairies: using GIS to find rare plant habitat in historic prairies. Natural Heritage Report 2004-02. Washington State Department of Natural Resources, Washington Natural Heritage Program, Olympia, WA. 18 pages.
- Case, K. E., and R. C. Fair. 2004. Principles of microeconomics. Seventh edition. Prentice Hall. Upper Saddle River, NJ.
- Center for Plant Conservation. 2011. Website. Accessed in 2011 at <http://www.centerforplantconservation.org>
- Chalmers, J. A. and F. A. Voorvaart. 2009. High-voltage transmission lines: proximity, visibility, and encumbrances effects. *The Appraisal Journal*, summer 2009, pages 227-245.
- Chalmers, J.A. 2012. High-voltage Transmission Lines and Rural, Western Real Estate Values. *The Appraisal Journal*, winter 2012, pages 30-45.
- Chappell, C. B. and J. Kagan. 2001. Westside oak and dry Douglas-fir forest and woodlands. Pages 26-28 in: D. H. Johnson and T. A. O'Neil, Managing Directors. *Wildlife-habitat relationships in Oregon and Washington*. Oregon State University Press, Corvallis. 736 pages.

- CH2MHILL. 2005. Sitewide groundwater monitoring plan (2006 through 2010) at RMC-Troutdale, Memorandum WP No. 68. Prepared for Reynolds Metals Company, Troutdale Facility. October 2005.
- City of Camas Parks and Recreation. 2010. Oak Park. Accessed July 29, 2010 at <http://www.ci.camas.wa.us/parks/oak.htm>
- City of Camas. 2007. Park, Recreation and Open Space Plan. Adopted December 17, 2007.
- City of Fairview. 2004. City of Fairview Comprehensive Plan. Adopted June 2004.
- City of Portland. 2010. "Transient Lodging (Hotel/Motel Tax)." Transient Lodging (Hotel/Motel Tax) Program. Accessed October 8, 2010 at <http://www.portlandonline.com/omf/index.cfm?c=29976>
- City of Portland, Office of Management and Finance. 2011. Overview: Multnomah County Business Income Tax (MCBIT). Accessed September 29, 2011 at <http://www.portlandonline.com/omf/index.cfm?a=40627&c=29730>
- C-Tran. 2011. C-Tran's Fourth Plain Transit Improvement Project. Accessed October 2011 at http://www.c-tran.com/brt_files/templates/brt.php
- City of Troutdale. 2006. City of Troutdale Parks Master Plan. Adopted November 14, 2006.
- City of Kelso. 1994. Comprehensive Plan for the City of Kelso. Adopted September 2, 1980.
- City of Kelso. April 17, 2012. Kelso Municipal Code. Accessed March 2012 at <http://www.codepublishing.com/WA/Kelso>.
- City of Vancouver. 2004. City of Vancouver Transportation Plan. Adopted May 3, 2004.
- . 2009. 2010-2015 Transportation Improvement Program. June 15, 2009.
- City of Vancouver, Washington Public Works. 2011. Street Improvement Projects. Accessed October 2011 at <http://www.cityofvancouver.us/streetprojects.asp?menuid=10465&submenuid=10530>
- City of Washougal. March 2006. Accessed March 2012 at www.mrsc.org/mc/washougal/washougal16.pdf
- Clark County. 2006. Wetland GIS model results. Digital data compiled in December 2006. Clark County GIS. Obtained in 2008 from Clark County GIS.
- . 2007. Capital Facilities Financial Plan (2007-2012). Supporting document to the 20-year Comprehensive Management Plan, Revised May 2007.
- . 2009a. Critical Aquifer Recharge Areas (CARA) Ordinance GIS data, August 2009.
- . 2009b. Land use data. Digital data compiled in August 2009. Clark County Department of Environmental Services. Obtained in June 2010 from Golder Associates.

- . 2010. Clark County 20-year Comprehensive Growth Management Plan 2004–2024. Adopted September 2007, Amended ORD2008-12-15, Amended ORD2009-12-15, and ORD2009-12-21. January 2010.
- . 2011a. Scenic drive highlights northern Clark County. Accessed February 15, 2011 at <http://www.co.clark.wa.us/ScenicDrive.html>
- . 2011b. Clark County watersheds. Accessed October 2011 at http://www.clark.wa.gov/water-resources/documents/Stream%20Health%20Report/2010%20report/2010WatershedReport_salcrk.pdf
- . 2011c. Clark County GIS parcels data. Accessed 2011 at <http://gis.clark.wa.gov/gishome/>
- . 2011d. Clark County GIS park and trail data. Accessed 2011 at <http://www.co.cowlitz.wa.us/gis/>
- Clark County Community Development. 2011. Proposed Developments. Accessed October 2011 at http://www.clark.wa.gov/development/land_use/developments.html
- Clark County Community Planning Office. 2010. 20-year comprehensive growth management plan 2004–2024. January. Accessed September 20, 2010 at http://www.co.clark.wa.us/planning/comp_plan/documents/CompPlan_2009-Amendments.pdf
- Clark County Public Works. 2011a. Current Projects. Accessed October 2011 at <http://www.clark.wa.gov/publicworks/ProjectsMap.html>
- . 2011b. Chelatchie Prairie Rail with Trail Project. Maps and Reports. Accessed October 2011 at <http://www.clark.wa.gov/publicworks/chelatchie/maps.html>
- Clary, Justin. City Manager, Ridgefield, Washington. October 7, 27 and 28, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: parks, public works, wastewater treatment, and road projects.
- Climate Registry, The. 2008. The Climate Registry General Reporting Protocol Version 1.1. Accessed February 15, 2011 at <http://www.theclimateregistry.org/downloads/GRP.pdf>
- Columbian, The. 2011. Yacolt, Amboy – compiled by The Columbian Archives. Accessed February 10, 2011 at <http://www.columbian.com/history/names/yacoltamboy/>
- Club Green Meadows. 2010. Club Green Meadows. Accessed July 29, 2010 at <http://www.clubgreenmeadows.com/>
- ColumbiaGrid. 2009. Web site. Accessed December 28, 2009 at <http://www.columbiagrid.org/I5CRP-overview.cfm>
- Columbia River Gorge Scenic Area Management Plan. 2007. Adopted 2004 and amended 2007. Accessed July 8, 2011 at <http://www.gorgecommission.org/managementplan.cfm?CFID=18424119&CFTOKEN=64315572&jsessionid=c430c02f479ff36879bc31c216b2e2337435>

- Council on Environmental Quality (CEQ). 1997. Environmental justice guidance under the National Environmental Policy Act. December 10, 1997.
- Cowardin, L. M., V. Carter, F. C. Golet, and E. T. La Roe. 1979. Classification of wetlands and deepwater habitats of the United States, FWS/OBS-79/31. U.S. Fish and Wildlife Service. Biological Services Program, Washington, DC.
- Cowger, J. R. and S. Bottemiller. 1996. Transmission line impact on residential property values: a study of three Pacific Northwest metropolitan areas. Right of Way. September: pages 13-17.
- Cowlitz County. 1976. Cowlitz County Comprehensive Plan. Adopted November 1, 1976.
- . 2009. Critical Area Ordinance 19.15. Accessed March 2012 at <http://www.co.cowlitz.wa.us/buildplan/planning/critical.html>
- . 2010a. About us. Accessed May 11, 2011 at <http://www.co.cowlitz.wa.us/aboutus.htm>
- . 2010b. Cowlitz County Comprehensive Park Plan update. Prepared by Cowlitz County Park and Recreation Advisory Board. September 2010.
- . 2010c. 2010 Cowlitz County Noxious Weed List. Accessed September 13, 2010 at <http://www.co.cowlitz.wa.us/noxiousweeds/Page657.htm>
- . 2011. Cowlitz surf your watershed. Accessed October 2011 at http://cfpub.epa.gov/surf/county.cfm?fips_code=53015
- Cowlitz County GIS. 2011a. Parcel data. Accessed in 2011 at <http://www.co.cowlitz.wa.us/gis/>
- . 2011b. Park and trail data. Accessed in 2011 at <http://gis.clark.wa.gov/gishome/>
- Cowlitz County Planning Division. November 1, 1976. Comprehensive Plan. Accessed September 30, 2010 at <http://www.co.cowlitz.wa.us/buildplan/planning/Comprehensive%20Plan.pdf>
- Cowlitz Tribe. 2011. Cowlitz Casino Resort. Accessed September 2011 at <http://www.cowlitzcasino.com/>
- Cowlitz-Wahkiakum Council of Governments (CWCOG). 2006. Cowlitz Regional Trails Plan. Prepared for Castle Rock, Kalama, Kelso, Longview, Woodland, Cowlitz County. December 2006.
- . 2009. Metropolitan & Regional Transportation Plan 2008-2028, Draft. October 2009. Prepared for Longview-Kelso-Rainier Metropolitan Planning Organization and Southwest Washington Regional Transportation Planning Organization.
- . 2011a. City of Castle Rock and Castle Rock School District Park and Recreation Plan. Adopted March 23, 2011.
- . 2011b. Metropolitan and Regional Transportation Improvement Programs 2011–2014. Accessed September 2011 at <http://www.cwcog.org/download/Final2011RTIPOct2010.pdf>

- Cristea, N. and J. Janisch. 2007. Modeling the effects of riparian buffer width on effective shade and stream temperature. Washington State Department of Ecology, Publication No. 07-03-028. June 2007.
- Cross, T., A. Sheets and B. Strick. 1991. Enterprise Budget: Strawberries, Willamette Valley Region. Oregon State University. Report No. EM 8463. March.
- Crowder, M. R. and O. E. Rhodes, Jr. 1999. Avian collisions with power lines: a review. Pages 139-167 in: Proceedings of a workshop on avian interactions with utility and communication structures. Charleston, South Carolina, December 2-3, 1999. Electric Power Research Institute.
- David Evans and Associates, Inc. (DEA). 2009. Wetland delineation report prepared for the Port of Portland Phase II, III, and Tract C areas, Troutdale Reynolds Industrial Park. February 2009.
- Durshpek, Eugene. Supervisor-Asset Management and GIS, City of Vancouver, Washington Public Works Department, Vancouver, Washington. October 24, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: stormwater, sanitary sewer, water and surface water projects.
- EDAW, Inc. and PacifiCorp. 2008. Final Recreation Resource Management Plan, Lewis River Hydroelectric Projects FERC Project Nos. 935, 2071 and 2111. Prepared by: EDAW, Inc. Seattle, Washington and PacifiCorp, Portland, Oregon. June 2008.
- eFloras.org. 2011. Website. Accessed in 2011 at <http://www.eFloras.org>.
- Eiken, Chad. Planning Review Manager, City of Vancouver, Washington Community Development Department, Vancouver, Washington. October 28, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: commercial development projects.
- Elmendorf, D. W. 2011. Outlook for the economy and the budget. Presentation to the National Economists Club, February 24. Accessed March 16, 2011 at http://www.cbo.gov/ftpdocs/120xx/doc12076/CBO_Presentation_to_NEC_2-24-11.pdf
- Energy and Environmental Economics, Inc. 2011. I-5 Corridor Reinforcement Non-Wires Alternatives Screening Study. January 12, 2011.
- Environmental Protection Agency (EPA). July 1973. Public health and welfare criteria for noise. Report No. 500/9-73-002, July 27, 1973. U.S. Environmental Protection Agency, Washington, D.C.
- . 1978. Protective noise levels. Condensed version of EPA levels document. Report No. PB82-138827. U.S. Environmental Protection Agency, Washington, DC.
- . 1998 (guidelines referenced in economics chapter).
- . 2003. U.S. Environmental Protection Agency green book: criteria pollutants. Accessed July 16, 2010 at <http://epa.gov/airquality/greenbk/>

- . 2006. Particulate matter. Accessed July 16, 2010 at <http://www.epa.gov/oar/particlepollution/>
- . 2007. Level III ecoregions of the conterminous United States. Western Ecology Division. Corvallis, OR.
- . 2008a. Clean Air Act.
- . 2008b. Designated sole source aquifers in EPA Region 10 (GIS Data), July 2008.
- . 2008c. Technical support document for process emissions of sulphur hexafluoride (SF6) and PFCs from electric power systems: proposed rule for mandatory reporting of greenhouse gases. Accessed February 22, 2011 at <http://www.epa.gov/climatechange/emissions/archived/downloads/tsd/TSD%20Electric%20Power%20Systems%20EPA%201-29-09.pdf>
- . Region 10. 2010a. Bonneville Power Administration Ross Complex. May 2010. Accessed August 26, 2010 at <http://yosemite.epa.gov/r10/nplpad.nsf/3069dd18d0f81054882568db0068885e/86c037c25ca8ec80852565920071e3cf!opendocument>
- . 2010b. Climate change – science: atmosphere changes. Accessed February 22, 2011 at <http://www.epa.gov/climatechange/science/recentac.html>
- . 2011a. 2011 Draft U.S. greenhouse gas inventory report. Accessed March 25, 2011 at <http://www.epa.gov/climatechange/emissions/usinventoryreport.html>
- . 2011b. Climate change – regulatory initiatives: greenhouse gas reporting program. Accessed February 22, 2011 at <http://www.epa.gov/climatechange/emissions/ghgrulemaking.html>
- . 2011c. Water quality assessment and Total Maximum Daily Loads information. Last updated August 18, 2011. Accessed August 24, 2011 at <http://www.epa.gov/waters/ir/index.html>
- Environmental Systems Research Institute, Inc. (ESRI). 2006. U.S. census block groups. ESRI, Redlands, California, USA. October 1, 2006.
- Eto, J., J. Koomey, B. Lehman, N. Martin et al. 2001. Scoping study on trends in the economic value of electricity reliability to the U.S. economy. E.O. Lawrence Berkeley National Laboratory. Report No. LBNL-47911. June 2001.
- Federal Aviation Administration (FAA). 2000. Obstruction Marking and Lighting. Advisory Circular AC 70/7460-1K. August 1, 2000. Accessed August 30, 2010 at http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/systemops/fs/alaskan/towers/obstruction/media/AC70_7460_1K.pdf
- Federal Communications Commission (FCC). 1988. Federal Communications Commission rules and regulations. October 10, 1988, ed. Volume II part 15, 47 CFR, Chapter 1.

- Federal Emergency Management Agency (FEMA). 1996. Q3 Flood Data coverage derived from Flood Insurance Rate Maps. Accessed October 2010 at <http://www.fema.gov>
- Federal Highway Administration. 1995. National Scenic Byways, Notice of FHWA interim policy. FHWA docket No. 95-15. Washington, DC, Government Printing Office.
- . 2005. Your rights and benefits as a displaced person. Publication No. FHWA-HEP-05-031. Available at <http://www.fhwa.dot.gov/realestate/rights/>
- Federal Highway Administration, Oregon Department of Transportation, and Washington Department of Transportation. 2011. Columbia River Crossing Draft Environmental Impact Statement. Accessed September 2011 at <http://www.columbiarivercrossing.org/ProjectInformation/ResearchAndResults/DraftEIS.aspx>
- Federal Register Vol. 69, No. 247, p. 77158-77167 (December 27, 2004).
- Federal Register Vol. 70, No. 123, p. 37160-37204 (June 28, 2005).
- Federal Register Vol. 71, No. 3, p. 834-862 (January 5, 2006).
- Federal Register Vol. 75, No. 52, p. 13012-13024 (March 18, 2010).
- Fernie, K. J. and S. J. Reynolds. 2005. The effects of electromagnetic fields from power lines on avian reproductive biology and physiology: a review. *Journal of Toxicology and Environmental Health, Part B, Volume 8*, pages 127–140.
- Fiksdal, A. J. 1975. Slope stability of Clark County: Washington Division of Geology and Earth Resources, open file report 75-10, scale 1:24,000 and 1:62,500 (depending on location).
- Florig, H. K. 1992. Containing the costs of the EMF problem. *Science*. Volume 257, No. 5069, pages 468-492.
- Franklin, J. F. and C. T. Dyrness. 1988. *Natural vegetation of Oregon and Washington*. Oregon State University Press, Corvallis, OR.
- Freudenburg, W. R. 1997. Contamination, corrosion and the social order: an overview. *Current Sociology*. Volume 45, No. 3, pages 19-39.
- Gesch, D. B. 2007. The National Elevation Dataset. Maune, D., editor. 2007. *Digital elevation model technologies and applications: the DEM Users Manual, 2nd Edition*. American Society for Photogrammetry and Remote Sensing. Bethesda, Maryland. Pages 99-118.
- Gesch, D., M. Oimoen, S. Greenlee, C. Nelson, M. Steuck, and D. Tyler. 2002. The National Elevation Dataset. *Photogrammetric Engineering and Remote Sensing*, Volume 68, No. 1, pages 5-11.
- Golder Associates, Inc. (Golder). 2011. Summary of zoning and population data in support of the I-5 Corridor Reinforcement Project. Project No. 093-93513-01.01. Redmond, WA. March 18, 2011.

- Good, T. P., R. S. Waples, and P. Adams, editors. 2005. Updated status of federally listed ESUs of West Coast salmon and steelhead. U.S. Department of Commerce. NOAA Technical Memorandum, NMFS NWFSC-66. 598 pages.
- Green, G. L. 1983. Soil survey of Multnomah County, Oregon. U.S. Department of Agriculture, Soil Conservation Service.
- Greenwood, M. J., G. L. Hunt, D. S. Rickman, and G. I. Treyz. 1991. Migration, regional equilibrium, and the estimation of compensating differentials. *The American Economic Review*, Volume 81, No. 5, pages 1382-1390.
- Hand, M. S., J. A. Thacher, D.W. McCollum, and R. P. Berrens. 2008. Intra-regional amenities, wages, and home prices: the role of forests in the Southwest. *Land Economics*, Volume 84, No. 4, pages 635-651.
- Harriman, J. and D. Baker. 2003. Applying integrated resource and environmental management to transmission right-of-way maintenance. *Journal of Environmental Planning and Management*, Volume 46, No. 2, pages 199–217.
- Haynes, R., D. Adams, R. Alig, P. Ince, J. Mills, and X. Zhou. 2007. The 2005 RPA timber assessment update. U.S. Department of Agriculture, Forest Service, Pacific Research Station. Report No. PNW-GTR-699.
- Helicopter Association International. 1993. Fly neighborly guide. Page 6. Fly Neighborly Committee.
- Hendriksen, Lisa. Manager of Environmental Affairs. Port of Longview, Washington. October 4, 2011 and December 19, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: port development projects.
- Hermen, Matt. Associate Planner. Cowlitz-Wahkiakum Council of Governments, Washington. September 28, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: transportation projects.
- Herrera Environmental Consultants (Herrera). 2010. Land cover mapping ; Bonneville Power Administration I-5 Corridor Reinforcement Project. Prepared for Golder Associates, Inc., September 2010.
- . 2011a. Wetland delineation report for Casey Road Substation site; Bonneville Power Administration I-5 Corridor Reinforcement Project. Prepared for Golder Associates Inc., May 2011.
- . 2011b. Wetland delineation report for Baxter Creek Substation site; Bonneville Power Administration I-5 Corridor Reinforcement Project. Prepared for Golder Associates Inc., February 2011.
- . 2012. GIS Modeling Methods Used to Update Wetland Boundary Maps and Assess Wetland Functions; Bonneville Power Administration I-5 Corridor Reinforcement Project. Prepared for Golder Associates, Inc., March 2012.

- Hickerson, Sabrina. Project Coordinator. PacifiCorp Energy, Portland, Oregon. September 29, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: PacifiCorp Energy projects.
- Hillger, Dell. Utilities Manager. Cowlitz County Public Works, Vancouver, Washington. September 30, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: public works projects.
- Hoffman, Michael. Construction Management and Inspection, Bonneville Power Administration, Vancouver, Washington. February 28, 2011. Personal communication with Golder Associates, Inc., re: construction logistics.
- Houser, Michael. Washington State Architectural Historian, Department of Archaeology & Historic Preservation, Olympia, Washington. June 3, 2011. Personal communication with Golder Associates, Inc., re: the historic listing of Pearson Airfield.
- Howard, K. A. 2002. Geologic map of the Battle Ground 7.5-Minute Quadrangle, Clark County, Washington: U.S. Geological Survey Miscellaneous Field Studies Map MF-2395, scale 1:24,000.
- Hruby, T. 2004. Washington State wetland rating system for Western Washington—revised. Ecology Publication 04-06-025. Washington State Department of Ecology. August 2004.
- Hsu, C.-Y., F.-Y. Ko, C.-W. Li, K. Fann, J.-T. Lue and T. Lue. 2007. Magnetoreception system in honeybees (*Apis mellifera*). PLoS ONE, Issue 4, e395.
- Hunting, K. 2002. A roadmap for PIER research on avian power line electrocution in California. Prepared for the California Energy Commission, Public Interest Energy Research Program. Publication No. 500 02 072F.
- Hutt, S. 2006. Perspectives on traditional cultural properties. Paper presented at the 2006 Department of Defense Cultural Resources Workshop, Seattle, WA.
- Institute of Electrical and Electronics Engineers, Inc. (IEEE). 2002. National Electrical Safety Code. 2002 edition, New York, NY. 287 pages.
- . 2005. IEEE 693-2005. IEEE recommended practices for seismic design of substations.
- . 2007. ANSI/IEEE C2-2007; National Electrical Safety Code.
- Intergovernmental Panel on Climate Change (IPCC). 2007. Climate change 2007: working group I: the physical science basis. Chapter 2: changes in atmospheric constituents and radioactive forcing: atmospheric carbon dioxide. Accessed February 22, 2011 at http://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2.html
- International Code Council (ICC). 2009. International Building Code (IBC).
- Intertwine Alliance, The. 2010. Portland-Vancouver Bi-State Regional Trails System Plan. Adopted April 2010.

- Jackson, T. 2010. Electric transmission lines: is there an impact on rural land values? Right of Way, November, pages 32-35. Available at http://www.irwaonline.org/EWEB/upload/Nov10_Web_Translines.pdf
- Jansen, Wendy. Realty Specialist Bonneville Power Administration, Portland, Oregon. October 31, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: flood control projects.
- Johnson, Carolyn. Community Development Planner, City of Woodland, Washington. October 21, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: transportation projects.
- Johnson, D. H. and T. A. O'Neil. 2001. Wildlife-habitat relationships in Oregon and Washington. Oregon State University Press, Corvallis, OR.
- Johnson, Terri. Washington State Department of Natural Resources, Olympia, Washington. September 23, 2010. Personal communication, e-mail to Golder Associates, Inc.
- Johnston, Tim. Manager, Substation Engineering, Cowlitz Public Utility District, Washington. October 3, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: public utility district projects.
- Julian, J., B. Strik, and W. Yank. 2011. Blueberry Economics: The Costs of Establishing and Producing Blueberries in the Willamette Valley. Oregon State University, Extension Service. Report No. AEB 0022. April.
- Karl, T. R., J. M. Melillo, and T. C. Peterson, editors. 2009. Global climate change impacts in the United States. Cambridge University Press.
- Kessavalou, A, John W. Doran, Arvin R. Mosier, and Rhae A. Drijber. 1998. Greenhouse gas fluxes following tillage and wetting in a wheat-fallow cropping system. Journal of Environmental Quality Volume 27, pages 1105–1116. Accessed February 22, 2011 at <http://ddr.nal.usda.gov/bitstream/10113/16845/1/IND21969617.pdf>
- Kramer, George. 2010. Corridors of power. The Bonneville Power Administration, Transmission Network, Historic Context Statement. Kramer and Company. Prepared for the Bonneville Power Administration, Portland, Oregon. 122 pages.
- LaCommare, K. H. and J. H. Eto. 2004. Understanding the cost of power interruptions to U.S. electricity customers. Ernest Orlando Lawrence Berkeley National Laboratory. Report No. LBNL-55718. September 2004.
- Lane, R. C., and William A. Taylor. 1997. Washington's wetland resources: Tacoma, Washington. U.S. Geological Survey. Accessed September 27, 2011 at <http://wa.water.usgs.gov/pubs/misc/wetlands/>
- Lebsack, Glenn. Clark County Vegetation Management, Vancouver, Washington. September 23, 2010. Personal communication with Crystal Elliot, Herrera Environmental Consultants, Inc., re: noxious weed populations in Clark County.

- Loft, E. R. and J. W. Menke. 1984. Deer use and habitat characteristics of transmission-line corridors in a Douglas-fir forest. *Journal of Wildlife Management*, Volume 48, pages 1311-1316.
- Longview Timber. 2010. Ownership GIS parcel data. Accessed in 2010 at <http://longviewtimber.com/>
- Loomis, J. 2005. Updated outdoor recreation use values on national forests and other public lands. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. Report No. PNW-GTR-658. October 2005.
- Lower Columbia Fish Recovery Board (LCFRB). 2004. Lower Columbia Salmon Recovery and Fish and Wildlife Subbasin Plan: Clark, Cowlitz, Lewis, Skamania, and Wahkiakum counties. Salmon Recovery Office. Available at www.nwcouncil.org/fw/subbasinplanning/lowerColumbia/plan/
- Malone, Chris. Senior Civil Engineer, City of Vancouver, Washington Public Works Department, Vancouver, Washington. October 24, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: transportation projects.
- Marshall, B. K., J. S. Picou, and J. R. Schlichtmann. 2004. Technological disasters, litigation stress, and the use of alternative dispute resolution mechanisms. *Law and Policy*, Volume 26, No. 2, pages 289-307.
- Martin-Lopez, B., C. Montes, and J. Benayas. 2007. The non-economic motives behind the willingness to pay for biodiversity conservation. *Biological Conservation*, Volume 139, No. 1-2, pages 67-82.
- Mattix, Mary. Environmental Program Manager, Port of Vancouver, Washington. October 3, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: port development projects.
- McGee, D. A. 1972. Soil survey of Clark County, Washington. U.S. Department of Agriculture, Soil Conservation Service.
- McMillan, Jack. Database manager, Washington State Department of Natural Resources Washington Natural Heritage Program, Olympia, Washington. February 9, 2011. Personal communication with Josh Wozniak, Herrera Environmental Consultants, Inc., re: GIS data collection date information.
- McNeil, R., J. R. Rodriguez, and H. Ouellet. 1985. Bird mortality at a power transmission line in northeastern Venezuela. *Journal of Biology and Conservation*, Volume 31, pages 153-165.
- Meekin, T., and R. Birtchet. 1963. Mayfield Dam project: Cowlitz River progress reports. July-December 1961; January-June 1962. Washington State Department of Fisheries.
- Melzer, R. Transmission Line Design, Volt Workplace Solutions, Vancouver, Washington. March 30, 2010. Personal communication, email to Stacy Mason and Nathan Mullen (both Bonneville Power Administration), regarding Big Eddy-Knight airport impacts.

- Metro. 2011. Clark County, Oregon Metro – Regional Land Information System (RLIS). Database. Published 1990 and updated periodically through May 2011. Accessed July 21, 2011 at <http://www.oregonmetro.gov/index.cfm/go/by.web/id/593>.
- Montgomery, D.R., B.D. Collins, J.M. Buffington, and T. Abbe. 2003. Geomorphic effects of wood in rivers. Pages 21-47 in Gregory, Stan V., Boyer, Kathryn L., Gurnell, Angela M., eds., The ecology and management of wood in world rivers. American Fisheries Society Symposium 37.
- Multnomah County. 2011. Property ID Number R624218. Property Records. Accessed June 21, 2011 at <http://www.multcoproptax.org/default.asp>
- . 2007. Comprehensive Plans. Accessed September 20, 2010 at <http://www2.co.multnomah.or.us/Public/EntryPoint?ct=cfc5eeda60e0110VgnVCM1000003bc614acRCRD&cpsextcurrchannel=1>
- . 2011. Comprehensive Framework Plan. Available at http://www2.co.multnomah.or.us/Community_Services/LUT-Planning/urban/framework/nav/fp_index.html
- Multnomah County Weed Control Program (MCWCP). 2011. Multnomah County noxious weed list. Multnomah County Weed Control Program agency website. Accessed July 25, 2011 at <http://www.oregon.gov/ODA/PLANT/WEEDS/multnomah.shtml>
- National Agriculture Imaging Program. 2009. 1 meter Digital Ortho Photo Image.
- National Environmental Policy Act (NEPA). 1969. 42 USC Sections 4321-4345.
- National Institute of Environmental Health Sciences (NIEHS). 2002. EMF electric and magnetic fields associated with the use of electric power: questions and answers. Research Triangle Park, NC: National Institute of Environmental Health Sciences of the U.S. National Institutes of Health.
- National Marine Fisheries Service (NMFS). 1998. Conclusions regarding the updated status of Puget Sound, Lower Columbia River, Upper Willamette River, and Upper Columbia River ESUs of spring-run west coast Chinook salmon. Memorandum dated 23 December 1998 to U. Varanasi and W. Stelle, Northwest Fisheries Science Center, and W. Hogarth, Southwest Fisheries Science Center, from M. Schiewe, Northwest Fisheries Science Center, Seattle, WA.
- . 2009. ESA status of West Coast salmon and steelhead.
- . 2012. Proposed ESA Recovery Plan for Lower Columbia River Coho Salmon, Lower Columbia River Chinook Salmon, Columbia River Chum Salmon, and Lower Columbia River Steelhead. Northwest Region. Portland, Oregon. Available at <http://www.nwr.noaa.gov/Salmon-Recovery-Planning/Recovery-Domains/Willamette-Lower-Columbia/LC/upload/LC-plan.pdf>
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2006. Appendix A: Lower Columbia Regional Summary. Final Environmental Impact Statement for the Washington State Forest Practices Habitat Conservation Plan.

- National Park Service (NPS). 2006. Oregon National Historic Trail. October 31, 2006. Accessed January 11, 2010 at <http://www.nps.gov/oreg/historyculture/index.htm>
- . 2009. Lewis & Clark National Historic Trail. May 15, 2009. Accessed September 11, 2010 at <http://www.nps.gov/lecl/index.htm>
- National Scenic Byways Program. 2009. Historic Columbia River Highway. Last revised: 2009. Accessed September 3, 2009 at <http://www.byways.org/explore/byways/2141/stories/47046>
- Natural Resources Conservation Service (NRCS). 1996. Soil Quality Resource Concerns: Compaction. April 1996.
- . 2004. Understanding soil risks and hazards. Edited by Gary B. Muckel. Lincoln, NE.
- . 2009a. National soil survey handbook, Title 430 VI. Accessed February 10, 201 at <http://soils.usda.gov/technical/handbook>
- . 2009b. Digital soil survey. Digital data compiled in September 2009. Obtained in June 2010.
- . 2009c. Soil Survey Geographic (SSURGO) database for Cowlitz County, Washington (wa015). U.S. Department of Agriculture, Natural Resources Conservation Service, Fort Worth, Texas. Published September 22, 2009.
- . 2010a. Soil Survey Geographic (SSURGO) Database for Clark County Area, Washington. Accessed March 26, 2010 at <http://soildatamart.nrcs.usda.gov>
- . 2010b. Soil Survey Geographic (SSURGO) Database for Cowlitz County Area, Washington. Accessed March 26, 2010 at <http://soildatamart.nrcs.usda.gov>
- . 2010c. Soil Survey Geographic (SSURGO) Database for Multnomah County Area, Washington. Accessed March 26, 2010 at <http://soildatamart.nrcs.usda.gov>.
- Natural Resource Conservation Service (NRCS) Soil Survey Staff. 2009. Soil Survey Geographic (SSURGO) Database for Cowlitz County, Washington; Clark County, Washington; and Multnomah County, Oregon. Last Updated: September 22, 2009. Accessed March 17, 2010 at <http://soildatamart.nrcs.usda.gov>
- National Oceanic & Atmospheric Administration (NOAA). 2010a. National Climatic Data Center (NCDC). Available at <http://www.ncdc.noaa.gov/oa/ncdc.html>
- . 2010b. NOAA Critical Habitat Data. Accessed July 20, 2010 at <http://www.nwr.noaa.gov/Salmon-Habitat/Critical-Habitat/CH-GIS-Data.cfm>
- . 2011. Species of Concern. Accessed July, 2011 at <http://www.nmfs.noaa.gov/pr/species/concern/#list>
- Nature Conservancy, The. 2010. Willamette Basin ownership and conservation opportunity areas including the Sandy River Basin. Accessed September 23, 2011 at http://www.dfw.state.or.us/conservationstrategy/docs/532_BellWVrefmap.pdf

- NatureServe. 2012. NatureServe Explorer: An online encyclopedia of life—Habitat and Species Information. Accessed May–June, 2012 at <http://www.natureserve.org/explorer/>
- North American Electric Reliability Corporation (NERC). 2010. Web site. Accessed July 16 and 27, 2010 at <http://www.nerc.com>
- Nielsen, Jill. City Clerk, City of Vader, Vader, Washington. October 5, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: building projects.
- Niemi, E., E. Whitelaw, and A. Johnston. 1999. The sky did not fall: The Pacific Northwest's response to logging reductions. ECONorthwest Inc., Eugene, OR.
- Nye, Don. Secretary, Cowlitz County Department of Building and Planning, Washington. October 5, 2011 and November 17, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: building projects.
- Oregon Biodiversity Information Center (ORBIC). 2010. ORBIC, Portland State University, Institute for Natural Resources, Portland, Oregon. Accessed October 15, 2010 at <http://orbic.pdx.edu/index.html>
- Oregon Department of Agriculture (ODA). 2011a. Noxious weed policy and classification system. Noxious Weed Control Program, Salem, OR. Accessed February 2, 2011 at http://www.oregon.gov/ODA/PLANT/WEEDS/docs/weed_policy.pdf?ga=t
- . 2011b. Noxious weed mapping in Oregon. ODA, Plant Division. Available at <http://www.weedmapper.org/>
- Oregon Department of Environmental Quality (ODEQ) Water Quality Division. 2007. Drinking Water Source Areas (GIS Data).
- . 2011. Website. Accessed June 2, 2011 at www.deq.state.or.us
- Oregon Department of Fish and Wildlife (ODFW). 2006. The Oregon Conservation Strategy. February 2006. Available at <http://www.dfw.state.or.us/conservationstrategy/contents.asp>
- . 2008. Oregon Department of Fish and Wildlife sensitive species: frequently asked questions and sensitive species list. Available at http://www.dfw.state.or.us/wildlife/diversity/species/threatened_endangered_candidate_list.asp
- . 2011. Living with Wildlife: Western Pond Turtle. Accessed September 20, 2012 at http://www.dfw.state.or.us/wildlife/living_with/docs/turtles.pdf.
- Oregon Department of Forestry. 2009. 2009 Western Oregon timber harvest. 2009 Timber Harvest Reports. Accessed September 9, 2010 at http://www.oregon.gov/ODF/STATE_FORESTS/FRP/docs/west.xls
- Oregon Department of Revenue. 2009. Oregon property tax statistics, Fiscal Year 2008-2009. Report No. 150-303-405 (Rev 7-09). Accessed September 30, 2010 at <http://www.oregon.gov/DOR/STATS/docs/303-405-09/303-405-09.pdf>

- . 2011. Oregon personal income tax statistics: characteristics of filers, 2011 edition, tax year 2009. Report No. 150-101-406 (Rev. 4-11). Accessed June 14, 2011 at http://www.oregon.gov/DOR/STATS/docs/101_406_11/101-406-11.pdf
- Oregon Global Warming Commission. 2010. Web site. Accessed February 22, 2011 at www.keeporegoncool.org
- Oregon Metro – Regional Land Information System (RLIS). 2011a. Taxlots. Accessed September 2011 at <http://www.oregonmetro.gov/index.cfm/go/by.web/id=593>
- . 2011b. Parks and Trails. Accessed September 2011 at <http://www.oregonmetro.gov/index.cfm/go/by.web/id=593>
- Oregon Natural Heritage Advisory Council. 2010. Oregon Natural Areas Plan. Oregon Biodiversity Information Center, Institute for Natural Resources – Portland. Portland State University, Portland, OR. 198 pages.
- Oregon Office of Economic Analysis. 2004. Forecasts of Oregon's county populations and components of change, 2000-2040. April 2004. Accessed June 1, 2010 at http://oregon.gov/DAS/OEA/demographic.shtml#Long_Term_County_Forecast
- Oregon State University (OSU). 2010. Rare plants of Multnomah County, Oregon and Plant Atlas. Oregon Flora Project, Oregon State University, Department of Botany and Plant Pathology, Corvallis, Oregon. Accessed October 15, 2010 at <http://www.oregonflora.org/rareplants/index.php>
- Oregon Tourism Commission. 2010. Oregon travel impacts 1991-2009p. Dean Runyan Associates, Inc. April. Accessed September 29, 2010 at http://www.deanrunyan.com/doc_library/ORImp.pdf
- Oregon Water Resources Department. 2010. Water Rights Database. Accessed October 2010 at <http://www.wrd.state.or.us/OWRD/WR/wris.shtml>
- O'Sullivan, A. and S. M. Sheffrin. 2001. Microeconomics principles and tools. Second edition. Prentice Hall. Upper Saddle River, New Jersey: Prentice Hall.
- Ozbun, Terry L., Nicholas J. Smits, Michele Punke, Jonathan R. Held, Ron L. Adams, Andrea Blaser, Judith A. Chapman, John L. Fagan and Jo Reese. 2011. Cultural resource inventory of the proposed I-5 Corridor Reinforcement Project, Cowlitz and Clark counties, Washington and Multnomah County, Oregon. Archaeological Investigations Northwest. Prepared for the Bonneville Power Administration, Portland, OR. 65 pages.
- Pacific Northwest Christmas Tree Association. 2012. Export of Pacific Northwest Trees. *Facts at a Glance*. Accessed October 1, 2012 at <http://www.pnwcta.org/news-events/facts-at-a-glance/> and personal communication with staff at Pacific Northwest Christmas Tree Association, October 1, 2012.
- Pacific Northwest Waterways Association. Columbia Snake River System facts. Accessed August 30, 2010 at <http://www.pnwa.net/new/Articles/CSRSFactSheet.pdf>

- PacifiCorp. 2011. Outdoor recreation – Washington – Lewis River. Accessed February 7, 2011 at <http://www.pacificorp.com/about/or/washington.html>
- Palmer, S. P., S. L. Magsino, E. L. Bilderback, J. L. Poelstra, D. S. Folger, R. A. Niggemann. 2004. Liquefaction susceptibility and site class maps of Washington State by county. Washington Division of Geology and Earth Resources, Open File Report 2004-20, scale 1:100,000.
- Parker, Patricia L., and Thomas F. King. 1998. Guidelines for evaluating and documenting traditional cultural properties. National Register Bulletin 38. U.S. Department of the Interior, National Park Service, Washington, D.C.
- Port of Camas-Washougal. 2011. Marina Park. Accessed February 22, 2011 at http://portcw.com/index.php/recreation/marina_park/
- Port of Portland. 2011. Land available: Troutdale Reynolds Industrial Park (TRIP). Accessed June 21, 2011 at https://secure.portofportland.com/PDFPOP/Prp_Trip_LandAvailable.pdf
- Pringle, R. F., and R. L. Evans. 2006. Soil survey of Cowlitz County, Washington. U.S. Department of Agriculture, Natural Resources Conservation Service.
- Puget Sound Partnership (PSP). 2009. Puget Sound Partnership ecosystem status and trends, a 2009 supplement to the state of the sound reporting. November 2009. Accessed October 6, 2010 at http://www.psp.wa.gov/downloads/2009_tech_memos/Ecosystem_status_and_trends_tech_memo_2009_06_11_FINAL.pdf
- Quinn, T. P., and N. P. Peterson. 1996. The influence of habitat complexity and fish size on over-winter survival and growth of individually marked juvenile coho salmon (*Oncorhynchus kisutch*) in Big Beef Creek, Washington. Canadian Journal of Fisheries and Aquatic Sciences, Volume 53, pages 1555-1564.
- RailsNW. 2011. Chelatchie Prairie Railroad – The history of the CPRR. Accessed February 10, 2011 at http://www.railsnw.com/Tours/chelatchie_prairie_railroad/chelatchie_prairie_railroad-history.htm
- Richardson, L., and J. Loomis. 2009. The total economic value of threatened, endangered and rare species: an updated meta-analysis. Ecological Economics, Volume 68, No. 5, pages 1535-1548.
- Rieman, B. E., and J. D. McIntyre. 1995. Occurrence of bull trout in naturally fragmented habitat patches of varied size. Transactions of the American Fisheries Society, Volume 124, pages 285-296.
- Ritchie, L. A. and D. A. Gill. 2004. Social capital theory as an integrating theoretical framework in technological disaster research. The Evaluation Center, Western Michigan University, and Social Science Research Center, Mississippi State University.
- Rogers, Jodi. Permit Specialist, City of Troutdale, Troutdale, Oregon. October 3 and 5, 2011. Personal communication with Jill Leary, Bonneville Power Administration, re: building projects.

- Rosenberger, R. and J. Loomis. 2001. Benefit transfer of outdoor recreation use values: a technical document supporting the Forest Service Strategic Plan (2000 Revision). U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. General Technical Report No. RMRS-GTR-72. Fort Collins, CO. Accessed September 30, 2010 at http://www.fs.fed.us/rm/pubs/rmrs_gtr72.pdf
- Row, C, H. F. Kaiser, and J. Sessions. 1981. Discount rates for long-term forest service investments. *Journal of Forestry*. 79(6): 367-369.
- Scott, W. E., R. M. Iverson, J. W. Vallance, and W. Hildreth. 1995. Volcano hazards in the Mount Adams region, Washington. U.S. Geological Survey Open-File Report 95-492.
- Scott, W. E., T. C. Pierson, S. P. Schilling, J. E. Costa, C. A. Gardner, J. W. Vallance, and J. J. Major. 1997. Volcano Hazards in the Mount Hood Region, Oregon: U.S. Geological Survey Open-File Report 97-89.
- Seattle Audubon Society (SAS). 2012. Bird web. Seattle Audubon Society. Accessed June 12, 2010 at http://birdweb.org/birdweb/bird_details.aspx?id=55
- Southwest Clean Air Agency web site (SWCAA). Accessed June 2, 2011 at www.swcleanair.org
- Southwest Washington Regional Transportation Council (SWRTC). 2008. Metropolitan Transportation Plan for Clark County. Updated December 2007. Amended July 2008.
- . 2010. Congestion Management Process, 2009 Monitoring Report. Published May 2010.
- Sprague, Webb, and Emily Picha. 2010. Population dynamics of Portland-Vancouver MSA. Metropolitan Knowledge Network. Portland State University. Accessed March 9, 2011 at <http://mkn.research.pdx.edu/2010/05/population-dynamics/>
- State of Oregon, Bonneville Power Administration (BPA), Department of Energy (USDOE). 1981. Memorandum of Understanding between State of Oregon and BPA, DOE: Transmission Facility Siting.
- State of Washington, Bonneville Power Administration (BPA), Department of Energy (USDOE). 1983a. Memorandum of Agreement between State of Washington and BPA, DOE: transmission facility siting. July 7, 1983.
- . 1983b. Memorandum of Understanding between State of Washington and BPA, DOE: transmission facility siting. November 17, 1983b.
- Saunders, Steve. Asset and Property Management Division Manager, Washington Department of Natural Resources, Olympia, Washington. June 28, 2010, September 21, 2010, and March 26, 2012. Personal communication with Tom Souhlas, ECONorthwest, re: Washington trust timberland.
- Thalheimer, E. 1996. Construction noise control program and mitigation strategy for the Central Artery/Tunnel Project. ASA/INCE Noise Control Conference. Seattle, WA.

- Thompkins, Ed. Natural Resource Specialist, Bonneville Power Administration, Vancouver, Washington. February 25, 2011. Personal communication with Golder Associates, Inc., re: vegetation management.
- Thompson, J. S., and L. Rothfus. 1969. Biological observations of salmonids passing Hayfield Dam. Washington State Department of Fisheries, Research Division. 57 p.
- Topinka, L. 1997. Eruption summary – May 18, 1980 eruption of Mount St. Helens. Accessed August 24, 2010 at http://vulcan.wr.usgs.gov/Volcanoes/MSH/May18/summary_may18_eruption.html
- Tri-Met. 2011. Payroll and self-employment tax information. Accessed September 30, 2011 at <http://trimet.org/taxinfo/>
- U.S. Bureau of Economic Analysis. 2010a. Table CA25N, Total employment by industry by NAICS Industry, 2008. April 2010. Accessed May 24, 2010 at <http://www.bea.gov/regional/reis/default.cfm?selTable=CA25> .
- . 2010b. Table CA1-3, Personal income, population, per capita personal income, 2008. April 2010. Accessed August 20, 2010 at <http://www.bea.gov/regional/reis/default.cfm?selTable=CA1-3>
- U.S. Census Bureau. 2000a. Census 2000 Summary File 1, Detailed Table P4. Accessed January 19, 2011 at <http://factfinder.census.gov/>
- . 2000b. Census 2000 Summary File 3, Detailed Table P87. Accessed January 19, 2011 at <http://factfinder.census.gov/>
- . 2000c. Census 2000 Summary File 3. Detailed Table P53. Accessed January 19, 2011 at <http://factfinder.census.gov/>
- . 2009a. “Table 6a: Rental vacancy rates for the 75 largest metropolitan areas: 1986-2004” and “Table 6. Rental vacancy rates for the 75 largest metropolitan areas: 2005-present.” Housing Vacancies and Homeownership (CPS/HVS), Annual Statistics 2009. Accessed August 26, 2010 at <http://www.census.gov/hhes/www/housing/hvs/annual09/ann09ind.html>
- . 2009b. 2010 Census Data Products: United States at a Glance (Version 1.0). September 23, 2009. Accessed October 18, 2010 at <http://www.census.gov/population/www/cen2010/glance/index.html>
- . 2010. “Table 4. Annual estimates of housing units for counties in Washington and Oregon: April 1, 2000 to July 1, 2009 (HU-EST2009-04-53 and 41). Accessed February 23, 2011 at <http://www.census.gov/popest/housing/tables/>
- . 2011. DP-1. Profile of general population and housing characteristics: 2010. Accessed June 20, 2011 at <http://factfinder2.census.gov/faces/nav/jsf/pages/>
- U.S. Department of Agriculture (USDA). 2009a. 2007 census of agriculture, Washington, state and county data. Volume 1, Geographic Area Series, Part 47, AC-07-A-47. National Agricultural Statistics Service. Updated December 2009. Accessed September 9, 2010 at

- http://www.agcensus.usda.gov/Publications/2007/Full_Report/Volume_1,_Chapter_2_County_Level/Washington/wav1.pdf
- . 2009b. 2007 census of agriculture, Oregon, state and county data. Volume 1, Geographic Area Series, Part 37. AC-07-A-47. Updated December 2009. Accessed September 9, 2010 at http://www.agcensus.usda.gov/Publications/2007/Full_Report/Volume_1,_Chapter_2_County_Level/Oregon/wav1.pdf
- . 2011a. Conservation reserve program. Updated April 1, 2011. Accessed May 24, 2011 at <http://www.fsa.usda.gov/FSA/webapp?area=home&subject=copr&topic=crp> .
- . 2011b. Summary of active and expiring CRP cropland acres by county, CRP - monthly contracts report. Updated April 2011. Accessed May 24, 2011 at https://arcticocan.sc.egov.usda.gov/CRPReport/monthly_report.do?method=displayReport&report=March-2011-ActiveAndExpiredCRPAcresByCounty-53
- . 2011c. Service Center Agencies watershed boundary data. Accessed 2011 at http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/ngmc/?cid=nrcs143_021630
- U.S. Department of Agriculture, National Agricultural Statistics Service (USDA NASS). 2009a. 2007 Census of Agriculture, Washington, State and County Data. Volume 1, Geographic Area Series, Part 47. AC-07-A-47. February. Updated December 2009. Accessed September 9, 2010 at http://www.agcensus.usda.gov/Publications/2007/Full_Report/Volume_1,_Chapter_2_County_Level/Washington/wav1.pdf
- . 2009b. 2007 Census of Agriculture, Oregon, State and County Data. Volume 1, Geographic Area Series, Part 37. AC-07-A-47. February. Updated December 2009. Accessed September 9, 2010 at http://www.agcensus.usda.gov/Publications/2007/Full_Report/Volume_1,_Chapter_2_County_Level/Oregon/wav1.pdf
- U.S. Department of Energy (USDOE). 1980. A practical handbook for the correction of radio interference from overhead powerlines and facilities. Portland, OR.
- U.S. Department of Energy (USDOE) and Bonneville Power Administration (BPA). 1986. Electrical and Biological Effects of Transmission Lines: A Review. (DOE/BP 524 January 1986) Portland, OR.
- . 1996. Electrical and Biological Effects of Transmission Lines: A Review. (DOE/BP 2938 December 1996 M) Portland, OR.
- U.S. Department of Energy (USDOE) and Bureau of Land Management (BLM), U.S. Department of Interior (DOI). 2010. Draft Programmatic Environmental Impact Statement for solar energy development in six Southwestern states. Accessed February 22, 2011 at <http://solareis.anl.gov/index.cfm>
- U.S. Department of Labor, Bureau of Labor Statistics. 2009. Occupational injuries, illnesses, and fatalities: industry data. Accessed February 23, 2011 at <http://www.bls.gov/data/#injuries>

- U.S. Energy Information Administration (EIA). 2000. Carbon dioxide emissions from the generation of electric power in the United States. Accessed February 28, 2011 at http://www.eia.gov/cneaf/electricity/page/co2_report/co2emiss.pdf
- . 2009a. Emissions of greenhouse gases report. DOE/EIA-0573(2008). Accessed February 22, 2011 at <http://www.eia.doe.gov/oiaf/1605/ggrpt/>
- . 2009b. Energy and the environment, greenhouse gases basics. Accessed February 22, 2011 at http://tonto.eia.doe.gov/energyexplained/index.cfm?page=environment_about_ghg
- U.S. Fish and Wildlife Service (USFWS). 1983. Columbian White-Tailed Deer Recovery Plan. Accessed: May 29, 2012 at: http://ecos.fws.gov/docs/recovery_plan/830614.pdf
- . 1997. Recovery plan for the marbled murrelet: Washington, Oregon and California populations. Region 1. U.S. Fish and Wildlife Service. Accessed January 12, 2012 at http://ecos.fws.gov/docs/recovery_plan/970924.pdf
- . 2008a. Final Recovery Plan for the Northern Spotted Owl (*Strix occidentalis caurina*). Region 1, USFWS, Portland, Oregon. Accessed January 18, 2012 at http://ecos.fws.gov/docs/recovery_plan/NSO%20Final%20Rec%20Plan%20051408_1.pdf
- . 2008b. Bull trout (*Salvelinus confluentus*) 5-year review: summary and evaluation. Available at http://ecos.fws.gov/docs/five_year_review/doc1907.pdf
- . 2010a. National Wetlands Inventory (NWI) maps. Digital data compiled in January 2010. Obtained in June 2010.
- . 2010b. U.S. Fish and Wildlife Service species lists for Cowlitz County and Clark County. Updated November 1, 2007. Accessed September 10, 2010 at <http://www.fws.gov/wafwo/speciesmap.html>
- . 2010c. Listed and proposed endangered and threatened species and critical habitat; candidate species; and species of concern in Multnomah County, Oregon. Accessed October 16, 2010 at <http://www.fws.gov/oregonfwo/Species/Lists/Documents/County/MULTNOMAH%20COUNTY.pdf>
- . 2010d. USFWS Critical Habitat Data. Accessed September 20, 2010 at <http://www.fws.gov/pacific/bulltrout/Index.cfm#maps>
- . 2011a. Federally Listed, Proposed, Candidate Species and Species of Concern under the jurisdiction of the Fish and Wildlife Service which may occur within Multnomah County, Oregon. Updated August 6, 2011. Accessed August 8, 2011 at <http://www.fws.gov/oregonfwo/Species/Lists/Documents/County/MULTNOMAH%20COUNTY.pdf>
- . 2011b. Species Profile. Updated November 28, 2011. Accessed November 28, 2011 at <http://ecos.fws.gov/speciesProfile/>

- . 2011c. Listing and Critical Habitat: Critical Habitat. USFWS. Accessed February 1, 2012 at <http://www.fws.gov/endangered/what-we-do/critical-habitats.html>
- U.S. Forest Service (USFS). 1993. Areas of old-growth forests in California, Oregon, and Washington. PNW-RB-197 December 1993. Accessed October 2011 at <http://www.fs.fed.us/r5/rsl/publications/oldgrowth/old-growth-ca-or-wa.pdf>
- . 1996. Status of the interior Columbia basin: summary of scientific findings. Pacific Northwest Research Station, General Technical Report PNW-GTR-385, Portland, OR. 144 pages.
- . 2010. "Forest Inventory Data Online." Forest Inventory and Analysis National Program. Accessed August 19, 2010 at <http://fia.fs.fed.us/tools-data/default.asp>
- U.S. Geological Survey (USGS). 1995. Digital raster graphic of topographic maps. Color orthoimage. Horizontal resolution: 2.4 meters. August 1995. Accessed August 2010 at <http://rocky2.ess.washington.edu/data/raster/drgclip/index.html>
- . 2006. Quaternary fault and fold database for the United States. Accessed August 23, 2010 at <http://earthquake.usgs.gov/regional/qfaults/>
- . 2009. Geographic Names Information System: Non-Populated Place. Database. Accessed in 2011 at <http://www.ecy.wa.gov/services/gis/data/geonames/gnis.htm>.
- . 2010. 2008 United States National Seismic Hazard Maps. Accessed September 15, 2010 at <http://earthquake.usgs.gov/hazards/products/conterminous/2008/>
- . 2011. National Land Cover Dataset (NLCD). Based on 2006 satellite imagery. U.S. Geological Survey, Sioux Falls, SD.
- U.S. Forest Service (USFS) – Gifford Pinchot National Forest. July 2010. Fire & Aviation. Accessed August 27, 2010 at <http://www.fs.fed.us/gpnf/fire/index.shtml>
- U.S. Office of Management and Budget. 2011. Circular A-94 Appendix C. Retrieved July 6, 2011. Accessed at http://www.whitehouse.gov/omb/circulars_a094/a94_appx-c/.
- Vancouver-Clark Parks and Recreation Department (VCPRD). 2007. Comprehensive Parks, Recreation, & Open Space Plan. May 2007.
- . 2010. Vancouver-Clark Parks & Recreation Department parks and trails. Accessed August 31, 2010 at http://www.cityofvancouver.us/parks-recreation/parks_trails/index.asp
- . 2011. Greater Clark Parks District. Chinook Neighborhood Park (North Salmon Creek). Accessed October 2011 at <http://www.clarkparks.org/projects/chinook.htm>
- Vanselow, Glenn. Pacific Northwest Waterways Association; the Columbia Snake River System-System operations and infrastructure. Accessed August 30, 2010 at <http://onlinepubs.trb.org/onlinepubs/archive/conferences/JM/Session3Vanselow.pdf>

- Velazquez, Angelica. Cowlitz County Weed Board Coordinator, Washington. February 7, 2011. Personal Communication with Josh Wozniak, Herrera Environmental Consultants, Inc., re: the extent of noxious weed mapping in Cowlitz County.
- von Winterfeldt, D., T. Eppel, J. Adams, R. Neutra, and V. DelPizzo. 2004. Managing Potential Health Risks from Electric Powerlines: A Decisions Analysis Caught in Controversy. *Risk Analysis*, Volume 24, No. 6, pages 1487-1502.
- Walkowiak, John. Washington Department of Revenue Forest Tax and Audit Manager, Olympia, Washington. November 17, 2010. Personal Communication with Mark Teply, Cramer Fish Sciences, re: acreage of timber harvest in study area.
- Ward, B. R. and P. A. Slaney. 1988. Life history and smolt-to-adult survival of the Keogh River Steelhead trout (*Salmo gairdneri*) and the relationship to smolt size. *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 45, pages 1110-1122.
- Warren, D. 2009. Production, Prices, Employment, and Trade in Northwest Forest Industries, All Quarters 2008. Res. Bull. PNW-RB-258. Portland, Oregon.
- Washington Administrative Code (WAC). Title 173 WAC, chapter 173-60. Maximum environmental noise levels. Washington Department of Commerce. 2009. Washington State county travel impacts 1991–2008. Dean Runyan Associates, Inc. September. Accessed September 29, 2010 at http://www.deanrunyan.com/doc_library/WAColmp.pdf
- Washington Department of Fish and Wildlife (WDFW). 1997. Lower Columbia steelhead conservation initiative. June. Draft no. 1. Washington Department of Fish and Wildlife, Olympia. 115 pages.
- . 2001. Priority habitats and species maps and database: Accessed at http://wdfw.wa.gov/conservation/phs/maps_data/
- . 2002. Species of Concern in Washington State. Accessed at <http://www.wa.gov/wdfw/diversity/soc/soc.htm>
- . 2005. Living with Wildlife—Elk. Accessed May 31, 2012 at: <http://wdfw.wa.gov/living/elk.pdf>
- . 2006. Fish and wildlife planner – a newsletter for Washington’s professional planning community. Washington Department of Fish and Wildlife, Olympia, WA. July 2006.
- . 2006. Washington State Elk Herd Plan—Mount St. Helens Elk Herd. Olympia, WA: Wildlife Management Program. Accessed May 27, 2012 at <http://wdfw.wa.gov/publications/00771/wdfw00771.pdf>
- . 2008. Priority habitats and species list. Washington Department of Fish and Wildlife. Accessed January 25, 2011 at <http://wdfw.wa.gov/publications/00165/wdfw00165.pdf>
- . 2009a. Washington Department of Fish and Wildlife wind power guidelines. Accessed June 2010 at <http://wdfw.wa.gov/publications/pub.php?id=00294>

-
- . 2009b. Washington State Recovery Plan for the Western Pond Turtle. Accessed January 6, 2012 at <http://wdfw.wa.gov/publications/pub.php?id=00398>
- . 2009c. Priority habitats and species list. Washington Department of Fish and Wildlife. Accessed January 25, 2010 and May 29, 2012 at <http://wdfw.wa.gov/conservation/phs/>
- . 2010a. Washington state species of concern lists. Accessed September 14, 2010 and July 1, 2011 at <http://wdfw.wa.gov/conservation/endangered/lists/search.php?searchby=All&orderby=AnimalType,%20CommonName%20ASC>
- . 2010b. Priority habitats and species GIS layers. Olympia, WA.
- . 2010c. Salmon and Steelhead Habitat Inventory and Assessment Program data. Accessed July 19, 2010 at <http://wdfw.wa.gov/mapping/salmonscape/sshiap/index.html>
- . 2012. Priority Habitats and Species (PHS) on the Web. Accessed July 27, 2012 at <http://wdfw.wa.gov/mapping/phs/disclaimer.html>
- Washington Department of Fish and Wildlife, Olympia, Washington. November 16, 2011. Personal communication with Judith Hillis, Golder Associates, Inc., re: priority habitat database.
- Washington Department of Fisheries (WDF), Washington Department of Wildlife (WDW), and Western Washington Treaty Indian Tribes (WWTIT). 1993. 1992 Washington State salmon and steelhead stock inventory (SASSI). Washington Department of Fish and Wildlife, Olympia, 212 p. and 5 regional volumes. Accessed at <http://wdfw.wa.gov/publications/pub.php?id=00194>
- Washington Department of Revenue. 2005. Homeowner's guide to property taxes. December 2005. Accessed October 6, 2010 at http://dor.wa.gov/docs/Pubs/Prop_Tax/HomeOwn.pdf
- . 2010a. Tax statistics 2010. September 2010. Accessed February 23, 2011 at http://dor.wa.gov/Content/AboutUs/StatisticsAndReports/2010/Tax_Statistics_2010/default.aspx
- . 2010b. Local sales and use tax rates and changes. Accessed September 30, 2010 at http://dor.wa.gov/docs/forms/excstx/localsusetx/localsluseflyer_quarterly.pdf
- . 2010c. A comparison of county assessor statistics, 2009 county comparison. August 2010. Accessed September 30, 2010 at http://dor.wa.gov/Docs/Reports/2009/Property_Tax_Statistics_2009/CountyComparisonReport2009.pdf
- . 2010d. Washington State Scenic and Recreational Highways Strategic Plan. Adopted November 2010.
- Washington Forest Practice Board (WaFPB). 2011. Watershed Analysis Manual. Appendix D-Riparian Function. Available at http://www.dnr.wa.gov/Publications/fp_wsa_manual_appd.pdf

- Washington Natural Heritage Information System (WNHIP). 2011. A Partial List of Animals in Washington. Accessed January 17, 2012 at http://www1.dnr.wa.gov/nhp/refdesk/lists/animal_ranks.html
- Washington Natural Heritage Program (WNHP). 2010. Rare and imperiled species and plant communities for the study area. Digital data compiled in June 2010. Washington State Department of Natural Resources, Natural Heritage Program. Accessed August 2010 at <http://www1.dnr.wa.gov/nhp/refdesk/gis/wnhpgis.html>.
- . 2011a. List of Vascular Plants Tracked by the Washington Natural Heritage Program. Accessed November 29, 2011 at <http://www1.dnr.wa.gov/nhp/refdesk/lists/planttrnk.html>http://www.dnr.wa.gov/researchscience/topics/naturalheritage/pages/amp_nh.aspx
- . 2011b. Washington Natural Heritage Program. Website. Accessed July 25, 2011 at http://www.dnr.wa.gov/researchscience/topics/naturalheritage/pages/amp_nh.aspx
- Washington State Department of Agriculture. 2009. Crop Distribution Sections. Perry Beale, Crop Mapping Coordinator. Accessed September 30, 2010 at <http://agr.wa.gov/PestFert/NatResources/AgLandUse.aspx>
- Washington State Department of Commerce. 2009. Washington State county travel impacts 1991-2008. Dean Runyan Associates, Inc. September 2009. Accessed September 29, 2010 at http://www.deanrunyan.com/doc_library/WAColmp.pdf
- Washington State Department of Ecology (Ecology). 2004. Stormwater management manual for Eastern Washington. Washington State Department of Ecology. Olympia, WA.
- . 2009. Assessment of water quality for the Section 4 303(d) list. Washington State Department of Ecology, Water Quality Program Policy. Revised January 2009.
- . 2010a. Washington water rights database and wells database. Accessed October 2010 at <http://www.ecy.wa.gov/programs/wr/wrhome.html>
- . 2010b. Regional haze. Accessed January 11, 2010 at http://www.ecy.wa.gov/programs/air/globalwarm_RegHaze/regional_haze.html
- . 2011a. Lacamas Creek fecal coliform, temperature, dissolved oxygen, and pH total maximum daily load water quality study design (Quality Assurance Project Plan). Ecology Publication No. 11-03-102. Accessed August 24, 2011 at <http://www.ecy.wa.gov/pubs/1103102.pdf>
- . 2011b. Water quality improvement project East Fork Lewis River area: multi-parameter. Last updated February 2011. Accessed August 24, 2011 at <http://www.ecy.wa.gov/programs/wq/tmdl/EForkLewis/index.html>
- . 2011c. State Environmental Policy Act Register. Accessed September and October for Clark and Cowlitz Counties, 2011 at <http://fortress.wa.gov/ecy/separ/Register/ShowRegisterTable.aspx>

- . 2011d. Water resource inventory areas. Accessed 2011 at <http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm>
- . 2011e. Salmon Creek temperature total maximum daily load Water Quality Improvement Report and Implementation Plan. Ecology Publication No. 11-10-044. Accessed July 11, 2012 at <https://fortress.wa.gov/ecy/publications/publications/1110044.pdf>
- Washington State Department of Licensing. 2010. Fuel licenses: motor vehicle fuel or special fuel. Accessed October 8, 2010 at <http://www.dol.wa.gov/vehicleregistration/ftmotorspecial.html>
- Washington State Department of Health (WDOH), Office of Drinking Water. 2010. Source Wells and Wellhead Protection Datasets (GIS Data). Accessed October 2010 at <http://www.doh.wa.gov/ehp/DW/sw/default.htm>
- Washington State Department of Natural Resources (WDNR). 2005. Oaks and Grasslands of the Puget Trough Ecoregion. Washington State Department of Natural Resources, Natural Heritage Program. Available at <http://fortress.wa.gov/dnr/app1/dataweb/dmmatrix.html>
- . 2008. Untilled grasslands and oak dominated or co-dominated canopies. Digital data compiled by Golder Associates, Inc. March 2008. Washington State Department of Natural Resources, Natural Heritage Program.
- . 2009a. 2009 Annual Report. Olympia, WA. Available at http://www.dnr.wa.gov/Publications/em_annualreport09.pdf
- . 2009b. "Westside Volumes of Harvested Trees by Ownership and Counties." Washington Timber Harvest 2009. Accessed September 7, 2010 at http://www.dnr.wa.gov/Publications/obe_watimber_harvest_report_2009.pdf
- . 2009c. Leasing state trust lands for agriculture. Accessed November 11, 2009 at http://www.dnr.wa.gov/BusinessPermits/Topics/LandLeasing/Pages/psl_leasing_agriculture_land
- . 2009d. Natural Heritage Program data. Washington State Department of Natural Resources, Natural Heritage Program. Available at http://www.dnr.wa.gov/researchscience/topics/naturalheritage/pages/amp_nh.aspx
- . 2010a. Western Yacolt Burn Forest Recreation Plan. August 2010.
- . 2010b. Fire information and prevention. Accessed August 27, 2010 at <http://www.dnr.wa.gov/RecreationEducation/FirePreventionAssistance/Pages/Home.aspx>
- . 2010c. Cadastrel Jurisdiction Boundaries. Accessed August 19, 2010 at <http://fortress.wa.gov/dnr/app1/dataweb/dmmatrix.html>
- . 2010d. Priority habitat and species information and GIS layers for the project study area. WDFW. Olympia, Washington.

- . 2010e. Rare plant species list by county. Updated February 2009. Accessed August 15, 2010 at <http://www1.dnr.wa.gov/nhp/refdesk/lists/plantsxco/countyindex.html>
- . 2010f. Ownership parcels. Accessed 2010 at <http://fortress.wa.gov/dnr/app1/dataweb/dmmatrix.html>
- . 2010g. Hydrography. Accessed July 20, 2010 at <http://fortress.wa.gov/dnr/app1/dataweb/dmmatrix.html>
- . 2011a. Forest roads guidebook 2011 Edition.
- . 2011b. Watershed Administrative Unit Data. Accessed 2011 at <http://fortress.wa.gov/dnr/app1/dataweb/dmmatrix.html>
- Washington State Department of Transportation (WSDOT). 2011. Agency Projects. Accessed September and October for Clark and Cowlitz Counties, 2011 at <http://www.wsdot.wa.gov/Projects/>
- Washington State Division of Geology and Earth Resources (DGER). 2009. Landslides of Washington State at 1:24,000 scale, Version 2.0 GIS shapefile. April 2009.
- Washington State Office of Financial Management (OFM). 2007. Final projections of the total resident population for growth management. October 2007. Accessed June 1, 2010 at <http://www.ofm.wa.gov/pop/gma/projections07.asp>
- . 2011. April 1, 2011 Population of Cities, Towns and Counties Used for Allocation of Selected State Revenues. State of Washington. June 2011. Accessed March 22, 2012 at <http://www.ofm.wa.gov/pop/april1/finalpop.pdf>
- Washington State Noxious Weed Control Board (WSNWCB). 2010. Washington State Noxious Weed Control Board noxious weed information. Accessed August 24, 2010 at <http://www.nwcb.wa.gov/index.htm>
- Washington State Tourism. 2011. Discover Washington State scenic byways. Accessed February 14, 2011 at <http://www.experiencewa.com/scenic-byways.aspx>
- Washington, State of. 1975. Washington Administrative Code, Chapter 173-60 WAC Maximum Environmental Noise Levels. Department of Ecology, Olympia, WA.
- Washington Wildlife and Recreation Coalition (WWRC). 2010. Washougal Oaks NAP/NRCA 04. Accessed September 16, 2010 at http://wildliferecreation.org/wwrp-projects/projects/Washougal_Oaks_NAPNRCA_1
- Wegmann, K. W. 2006. Digital landslide inventory for the Cowlitz County urban corridor, Washington. Washington Division of Geology and Earth Resources, Report of Investigations 35, Version 1.0, May 2006.
- Western Electricity Coordinating Council (WECC). 2009. Web site. Accessed December 28, 2009 at <http://www.wecc.biz/About/Pages/default.aspx>

- Whitson, T. D., L. C. Burrill, S. A. Dewey, D. W. Cudney, B. E. Nelson, R. D. Lee, and R. Parker. 1996. Weeds of the West. Western Society of Weed Scientists, Newark, CA.
- Williams, J. C. 2011. The economic outlook. Presentation to the State of the West Symposium. Federal Reserve Bank of San Francisco. February 4, 2011. Accessed February 23, 2011 at http://www.frbsf.org/economics/speeches/2011/john_williams0204.php
- Wilma, David. 2003. Yacolt Burn, largest forest fire in recorded state history, rages from September 11 to 13, 1902. HistoryLink. February 14, 2003. Accessed August 27, 2010 at http://www.historylink.org/index.cfm?DisplayPage=output.cfm&file_id=5196
- Wolfe, E. W., and T. C. Pierson. 1995. Volcanic-hazard zonation for Mount St. Helens, Washington, 1995. U.S. Geological Survey Open-File Report 95-497.
- Wolverton, M. L. and S. C. Bottemiller. 2003. Further analysis of transmission line impact on residential property values. The Appraisal Journal, July 2003.
- Woodland Fish and Wildlife (WFF). 1997. Wildlife on white oaks woodlands. Accessed September 15, 2010 at <http://www.woodlandfishandwildlife.org/pubs/whiteoak.pdf>
- Wydoski, R. S., and R. R. Whitney. 2003. Inland fishes of Washington, 2nd edition. American Fisheries Society, Bethesda, MD and University of Washington Press, Seattle, WA.
- Xerces. 2012. The Xerxes Society for Invertebrate Conservation: Freshwater mussels: California floater (*Anodonta californiensis*) / Winged floater (*Anodonta nuttalliana*). Accessed May 15, 2012 at <http://www.xerces.org/california-and-winged-floaters/>

29.2 Additional Works Consulted

- Albers, P. H. 1998. An annotated bibliography on petroleum pollution. Version 2007. USGS Patuxent Wildlife Research Center, Laurel, MD. Accessed Jan 5, 2011 at <http://www.pwrc.usgs.gov/infobase/topbibs/petroleum.pdf>
- America Trauma Society. 2009. 2009 Maps of trauma center access. Accessed September 13, 2010 at <http://tramah.cml.upenn.edu/CML.TraumaCenters.Web/>
- Anderson, P. G., B. R. Taylor, and G.C. Balch. 1996. Quantifying the effects of sediment release on fish and their habitats. Canadian Manuscript Report of Fisheries and Aquatic Sciences No. 2346. 110 pages plus 3 appendices.
- Anthony, J. L., E. B. Cummins, and C. W. Thompson. 2003. Terrestrial surveys of marbled murrelets in the pacific coastal region of the western Olympic peninsula and southwest Washington 2001-2002. Accessed September 17, 2010 at <http://www.darrp.noaa.gov/northwest/tenyo/pdf/ten-mmfnl0203.pdf>
- Anthony, R. G., R. L. Knight, G. T. Allen, B. R. McClelland, and J. I. Hodges. 1982. Habitat used by nesting and roosting bald eagles in the Pacific Northwest. Transactions of the North American Wildlife Natural Resources Conference 47, pages 3323-342.

- Arkoosh, M. R., L. Johnson, P. A. Rossignol, and T. K. Collier. 2004. Predicting the impact of perturbations on salmon (*Oncorhynchus* spp.) communities: implications for monitoring, Canadian Journal of Fisheries and Aquatic Sciences 61, pages 1166-1175.
- Association of Washington Counties. 2009. Local business (B&O) tax rates, effective January 1, 2010. Accessed September 30, 2010 at <http://www.awcnet.org/documents/botaxrates.pdf>
- Aukema, J. E. and A. B. Carey. 2008. Effects of variable-density thinning on understory diversity and heterogeneity in young Douglas-fir forests. Res. Pap. PNW-RP-575. Portland, OR. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 20 pages.
- Bahr, M. and J. Stallcup Sr. 2003. OSHA: Stallcup's construction regulations simplified. Quincy, MA. National Fire Protection Association.
- Beechie, T. J. and T. H. Sibley. 1997. Relationships between channel characteristics, woody debris, and fish habitat in Northwestern Washington streams. Transactions of the American Fisheries Society 126, pages 217-229.
- Beschta, R. L., Bilby, R. E., Brown, G. W., Holtby, L. B., and Hofstra, T. D. 1987. Stream temperature and aquatic habitat: fisheries and forestry interactions. Pages 191-232 in Salo, E. O, Cundy, T. W. (editors), Streamside Management: Forestry and Fisheries Interactions. University of Washington, Institute of Forest Resources Contribution 57.
- Bettinger, P., J. Siry, K. Boston, D. Grebner. 2009. Forest Management and Planning. Elsevier Inc.
- Bilby, R. E., and P. A. Bisson. 1998. Function and distribution of large woody debris. Pages 324-346 in R. J. Naiman and R. E. Bilby (editors), River Ecology and Management: Lessons from the Pacific Coastal Ecoregion, Springer-Verlag, New York, NY.
- Bilby, R. E., K. Sullivan and S. H. Duncan. 1989. The generation and fate of road-surface sediment in forested watersheds in Southwestern Washington. Forest Science Volume 35, No. 2, pages 453-468.
- Bisson, P. A., G. H. Reeves, R. E. Bilby, and R. J. Naiman. 1997. Watershed management and pacific salmon: desired future conditions. Pages 447-474 in D. J. Stouder, P. A. Bisson, and R. J. Naiman (editors), Pacific Salmon and Their Ecosystems: Status and Future Options, Chapman & Hall, New York.
- Bisson, P. A., Bilby, R. E., Bryant, M. D., Dolloff, C. A., Grette, G. B., House, R. A., Murphy, M. L., Koski, K. V., and Sedell, J. R. 1987. Large woody debris in forested streams in the Pacific Northwest: past, present, future. Pages 143-190 in E. O. Salo and T. D. Cundy (editors), Streamside Management: Forestry and Fisheries Interactions, University of Washington College of Forest Resources, Seattle, WA.
- Bjornn, T. C. and D. W. Reiser. 1991. Habitat requirements of salmonids in streams. Pages 83-138 in Meehan, W. R. (editor), Influences of Forest and Rangeland Management of Salmonid Fishes and their Habitats. American Fisheries Society, Bethesda, MD.
- Booth, D. B. 1990. Stream-channel incision following drainage-basin urbanization. Water Resources Bulletin 26(3), pages 407-417.

- Booth, D. E. 1999. Spatial patterns in the economic development of the mountain west. *Growth and Change* 30(3), pages 384-405.
- Bureau of Land Management (BLM). 2010. Oregon/Washington; Fossils (Paleontological). Accessed August 24, 2010 at <http://www.blm.gov/or/resources/heritage/paleo.php>
- Cedarholm, C. J., L. M. Reid, and E. O. Salo. 1981. Cumulative effects of logging road sediment on salmonid populations of the Clearwater River, Jefferson County, Washington. Pages 38-74, in *Proceedings of Conference on Salmon Spawning Gravel: A Renewable Resource in the Pacific Northwest?* Report 19. Washington State University, Water Research Center, Pullman, WA.
- Chamberlin, T. W., R. D. Harr, and F. H. Everest. 1991. Timber harvesting, silviculture, and watershed processes. Pages 181-206, in W. R. Meehan (editor), *Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats*. American Fisheries Society, Special Publication No. 19. Bethesda, MD.
- Chavas, J-P. 1999. Ecosystem valuation under uncertainty and irreversibility. *Ecosystems* 3, pages 11-15.
- City of Camas. 2004. City of Camas Comprehensive Plan. March 2004.
- City of Kelso. 1994. Comprehensive Plan for the City of Kelso. Adopted September 2, 1980. Chapter Updates 1987 and 1992. Update of Maps 1994.
- City of Longview. 2006. City of Longview 2006 Comprehensive Plan, City of Longview, Washington. Prepared for The City of Longview, Washington, Community Development. Prepared by Jones and Stokes, Cowlitz-Wahkiakum Council of Governments, and E. D. Hovee & Company. December 2006.
- City of Troutdale. 1999. Troutdale Comprehensive Land Use Plan. Adopted September 27, 1990. Ordinance No. 558-O, as amended through December 1998.
- City of Washougal. 2003. City of Washougal Updated Comprehensive Plan. February 2003.
- Clark County. 2010. 2010 Clark County noxious weed list. Provided by Clark County Department of Environmental Services, Vegetation Management on September 13, 2010.
- Clark County, Auditor's Office. 2010. Statement of revenues, expenditures, and changes in fund balances, governmental funds. In *Comprehensive Annual Financial Report, Fiscal Year Ended December 31, 2009*. Accessed September 10, 2010 at http://www.co.clark.wa.us/auditor/financial/documents/35_2009cafr_RevExpGovtal.pdf
- Coe, D. 2006. Sediment production and delivery from forest roads in the Sierra Nevada, California. Master Thesis. Department of Forest, Rangeland, and Watershed Stewardship, Colorado State University, Fort Collins, CO.
- Cowlitz County. 2010. 2010-2015 Transportation Improvement Program. Cowlitz County Department of Public Works.
- Cowlitz County Planning Division. 2010. Fishing. Accessed February 14, 2011 at http://www.visitmtsthelens.com/things_to_do/fishing-in-cowlitz-county-washington.html

- Cowlitz County Tourism Bureau. 2010. Where to stay. Accessed September 14, 2010 at <http://www.visitmtsthelens.com/where-to-stay-cowlitz-county.html>
- Cowlitz County Assessor's Office. 2010. Cowlitz county parcel search. Search results for Account Nos. R014512, R014513, R015697 and R016139. Accessed September 28, 2010 at <http://www.cowlitzinfo.net/applications/cowlitzassessorparcelsearch>
- Cowlitz County Auditor's Office. 2010. Statement of revenues, expenditures, and changes in fund balances, governmental funds. Page 16 in Comprehensive Annual Financial Report, Fiscal Year Ended December 31, 2009.
- Deller, S. C., T-H Tsai, D. W. Marcouiller, and D. B. K. English. 2001. The role of amenities and quality of life in rural economic growth American Journal of Agricultural Economics 83(2), pages 352–365.
- ECONorthwest. 2009. Fiscal Year 2008 large-cost fire independent review. Large-Cost Fire Independent Review Panel. U.S. Secretary of Agriculture. June 19.
- Environmental Laboratory. 1987. Corps of engineers wetlands delineation manual. Technical Report Y-87-1. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.
- Environmental Protection Agency (EPA). 2007. CO2 emissions from fossil fuel combustion report. Accessed June, 2010 at http://www.epa.gov/climatechange/emissions/downloads/CO2FFC_2007.pdf
- . 2010. Reynolds metals. EPA Region 10. Accessed August 26, 2010 at <http://yosemite.epa.gov/r10/nplpad.nsf/88d393e4946e3c478825631200672c95/862ad0015befb92385256594006b98cb?OpenDocument>
- Environmental Protection Agency (EPA), Office of the Administrator. 2000. Guidelines for Preparing Economic Analyses. Report No. EPA 240-R-00-003. September. Accessed September 29, 2010 at [http://yosemite.epa.gov/ee/epa/eed.nsf/webpages/Guidelines.html/\\$file/Guidelines.pdf](http://yosemite.epa.gov/ee/epa/eed.nsf/webpages/Guidelines.html/$file/Guidelines.pdf)
- Evarts, R. C. 2004a. Geologic map of the Ariel Quadrangle, Clark and Cowlitz counties, Washington: U.S. Geological Survey scientific investigations map 2826, scale 1:24,000.
- . 2004b. Geologic map of the Woodland Quadrangle, Clark and Cowlitz counties, Washington: U.S. Geological Survey scientific investigations map 2827, scale 1:24,000.
- . 2005. Geologic map of the Amboy Quadrangle, Clark and Cowlitz counties, Washington: U.S. Geological Survey scientific investigations map 2855, scale 1:24,000.
- . 2006a. Geologic map of the Lacamas Creek Quadrangle, Clark County, Washington: U.S. Geological Survey scientific investigations map 2924, scale 1:24,000.
- . 2006b. Geologic map of the Yacolt Quadrangle, Clark County, Washington: U.S. Geological Survey scientific investigations map 2901, scale 1:24,000.

- Evarts, R. C., and J. E. O'Connor. 2008. Geologic map of the Camas Quadrangle, Clark County, Washington, and Multnomah County, Oregon: U.S. Geological Survey scientific investigations map 3017, scale 1:24,000.
- Exponent. 2009. Update of EMF research – 2009. Prepared for Bonneville Power Administration, Portland, OR.
- Exponent. 2012. Research on Extremely Low Frequency Electric and Magnetic Fields and Health. Prepared for Bonneville Power Administration, Portland, OR. 107 pages.
- Fisher, A. C. 2000. Reflections on irreversibility: environmental science and environmental economics. University of California, Berkeley, Department of Agricultural and Resource Economics Working Paper No. 910. Accessed October 8, 2010 at <http://ageconsearch.umn.edu/bitstream/6860/2/wp000910.pdf>
- Furniss, M. J., T. D. Roelofs, and C. S. Yee. 1991. Road construction and maintenance. Pages 297-323 in W. R. Meehan (editor), Influences of Forest and Rangeland Management on Salmonid Fishes and their Habitats. American Fisheries Society Special Publication No. 19.
- GeoEngineers. 2010. Phase I general route characterization and geologic hazard assessment; I-5 Corridor 500-kV transmission line Oregon/Washington. Prepared for HDR Engineering, Inc., April 8, 2010.
- Godt, J. W. 1997. Landslide overview map of the conterminous United States; digital compilation of landslide overview map of the conterminous United States by D. H. Radbruch-Hall, R. B. Colton, W. E. Davies, I. Lucchitta, B. A. Skipp, and D. J. Varnes, 1982, U.S. Geological Survey Open-File Report 97-289.
- Grant, G. E., F. J. Swanson, and M. G. Wolman. 1990. Pattern and origin of stepped-bed morphology in high-gradient streams, western Cascades, Oregon. Geological Society of America Bulletin 102, pages 340-352.
- Grant, G. E., S. L. Lewis, F. J. Swanson, J. H. Cissel, and J. J. McDonnell. 2008. Effects of forest practices on peak flows and consequent channel response: a state-of-science report for western Oregon and Washington. Gen. Tech. Rep. PNW-GTR-760. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 76 pages.
- Grant, J. W. A., S. O. Steingrímsson, E. R. Keeley, and R. A. Cunjak. 1998. Implications of territory size for the measurement and prediction of salmonid abundance in streams. Canadian Journal of Fisheries and Aquatic Sciences 55, pages 181–190.
- Gregory, S. V., F. J. Swanson, W. A. McKee, and K. W. Cummins. An ecosystem perspective of riparian zones. BioScience 41(8).
- Guria, J., J. Leung, M. Jones-Lee, and G. Loomes. 2005. The willingness to accept value of statistical life relative to the willingness to pay value: evidence and policy implications." Environmental and Resource Economics 32, pages 113-127.
- Harr, R. D. 1981. Some characteristics and consequences of snowmelt during rainfall in western Oregon. Journal of Hydrology 53, pages 277-304.

- Hitchcock, C. L. and A. Cronquist. 1987. Flora of the Pacific Northwest. 6th printing. University of Washington Press, Seattle, WA.
- Hoblitt, R. P., J. S. Walder, C. L. Driedger, K. M. Scott, P. T. Pringle, and J. W. Vallance. 1998. Report: Volcano Hazards from Mount Rainier, Washington, Revised 1998: U.S. Geological Survey Open-File Report 98-428.
- Horenstein, H., R. Hart, T. Gearty, V. Goldberg. 2001. Photography. Prentice Hall, Upper Saddle River, NJ. Page 75.
- Hussen, A. M. 2004. Principles of Environmental Economics, 2nd edition. Routledge.
- ICF/Jones & Stokes. Addressing Climate Change in NEPA and CEQA Documents, Climate Change Focus Group, ICF/Jones & Stokes, updated August 2007.
- Johnson, K. P. and J. R. Kort. 2004. 2004 redefinition of the BEA economic areas. Survey of Current Business 84(11), pages 68-75.
- Johnson, S. L. and J. A. Jones. 2000. Stream temperature response to forest harvest and debris flows in western Cascades, Oregon. Canadian Journal of Fisheries and Aquatic Sciences 57(supplement 2), pages 30-39.
- Kahneman, D., J. L. Knetsch, and R. H. Thaler. 1991. Anomalies: the endowment effect, loss aversion, and status quo bias. The Journal of Economic Perspectives 5(1), pages 193-206.
- Katoomba Group. 2010. Ecosystem Marketplace. Accessed September 30, 2010 <http://ecosystemmarketplace.com/>
- Korte, A. and L. H. MacDonald. 2007. Measuring and predicting road sediment production and watershed-scale sediment delivery. Hydrology Days 2007. Colorado State University, Fort Collins, CO.
- Lamberti, G. A., S. V. Gregory, L. R. Ashkenas, R. C. Wildman, and A. D. Steinman. 1989. Influence of channel geomorphology on retention of dissolved and particulate matter in a Cascade mountain stream. USDA Forest Service Gen. Tech. Rep. PSW-110. 39 pages.
- Lantz, R. L. 1971. Influence of water temperature on fish survival, growth, and behavior. Pages 182-193 in J. T. Krygier and Hall, J. D. (editors), Forest Land Uses and Stream Environment. Oregon State University Extension, Corvallis, OR.
- Lewis River Golf Course. 2011. The history and evolution of Lewis River. Accessed February 9, 2011 at <http://www.lewisrivergolf.com/golf/proto/lewisrivergolf/index.htm>
- Li, H. W., G. A. Lamberti, T. N. Pearsons, C. K. Tait, J. L. Li, and J. C. Buckhouse. 1994. Cumulative effects of riparian disturbances along high desert trout streams of the John Day Basin, Oregon. Transactions of the American Fisheries Society 123, pages 627-640.
- Lisle, T. E. 1986. Effects of woody debris on anadromous salmonid habitat, Prince of Wales Island, southeast Alaska. North American Journal of Fisheries Management 6, pages 538-550.

- Luce, C. H. and T. A. Black. 2001. Spatial and temporal patterns in erosion from forest roads. Pages 165-178 in M. S. Wigmosta and S. J. Burges (editors), *Influence of Urban and Forest Land Uses on the Hydrologic-Geomorphic Responses of Watersheds*, American Geophysical Union, Washington, D.C.
- Marshall, D. B. 1988. The marbled murrelet joins the old-growth forest conflict. *American Birds* 42, pages 202-212.
- McGranahan, D. A. 2008. Landscape influence on recent rural migration in the U.S. *Landscape and Urban Planning* 85, pages 228–240.
- Mitsch, W. J and J. G. Gosselink. 2000. *Wetlands*, 3rd Edition. John Wiley & Sons, Inc., New York, NY.
- Moen. 1977. St. Helens and Washougal Mining Districts of the Southern Cascades of Washington. Washington State Department of Natural Resources, Division of Geology and Earth Resources, Information Circular 60. 71 pages.
- Multnomah County, Department of County Management. 2010. Statement of revenues, expenditures, and changes in fund balances, governmental funds. Page 33 in Comprehensive Annual Financial Report, Fiscal Year Ended June 30, 2009.
- Murphy, M. L. and W. R. Meehan. 1991. Stream ecosystems. Pages 17-46 in W. R. Meehan (editor), *Influences of Forest and Rangeland Management on Salmonid Fishes and their Habitats*. American Fisheries Society, Special Publication Number 19. Bethesda, MD.
- Naiman, R. J., T. J. Beechie, L. E. Benda, D. R. Berg, P. A. Bisson, L. H. MacDonald, M. D. O’Conner, P. L. Olson, and E. A. Steel. 1992. Fundamental elements of ecologically healthy watersheds in the Pacific Northwest coastal ecoregion. Pages 127-188 in R. J. Naiman (editor), *Watershed Management: Balancing Sustainability and Environmental Change*. Springer-Verlag, New York, NY.
- National Oceanic and Atmospheric Administration (NOAA) National Data Centers. Web site. Accessed August 27, 2010 at <http://ols.nndc.noaa.gov/plolstore/plsql/olstore.prodspecific?prodnum=C00095-PUB-A0001>
- Natural Resources Conservation Service (NRCS). 1999. American elk. Fish and wildlife habitat management leaflet. Prepared in consultation with Rocky Mountain Elk Foundation, Missoula, MT.
- . 2010. National hydric soils list for the state of Washington. U.S. Department of pasture and croplands, Natural Resources Conservation Service. Accessed July 21, 2010 at <http://soils.usda.gov/use/hydric/lists/state.html>
- Nelson, E. J. and D.B. Booth. 2002. Sediment sources in an urbanizing, mixed land-use watershed. *Journal of Hydrology* 264, pages 51-68.
- Nelson, S. K. and T. E. Hamer. 1995. Nest success and the effects of predation on marbled murrelets. Pages 89-97 in C.J. Ralph, G.L. Hunt, Jr., M.G. Raphael, and L.F. Piatt (editors),

- Ecology and Conservation of the Marbled Murrelet. USDA Pacific Southwest Research Station Gen. Tech. Rep. PSW-GTR-152. Albany, CA. 420 pages.
- Newcombe, C. P. and J. O. T. Jensen. 1996. Channel suspended sediment and fisheries: A synthesis for quantitative assessment of risk and impact. *North American Journal of Fisheries Management* 16, pages 693-727.
- Nisqually Multimedia. 2010. The Oregonian front page, Tuesday, November 6, 1962 [Scan of Oregonian front page]. Accessed October 4, 2010 at <http://nisquallyquake.wordpress.com/2010/02/05/the-portland-earthquake-on-november-5-1962/>
- Norris, L. A., H. W. Lorz and S. V. Gregory. 1991. Forest chemicals. American Fishery Society Special Publication 19, pages 207-296.
- Office of Management and Budget (OMB). 2003. Circular A-4 to the heads of executive agencies and establishments regarding regulatory analysis. Sent September 17, 2003. Accessed September 29, 2010 at http://www.whitehouse.gov/omb/circulars_a004_a-4/
- Oregon Department of Agriculture (ODA). 2010. Oregon listed plants. Oregon Department of Agriculture, Plant Division, Native Plant Conservation Program. Updated November 17, 2008. Accessed October 15, 2010 at <http://www.oregon.gov/ODA/PLANT/CONSERVATION/statelist.shtml>
- Oregon Department of Environmental Quality. 2004. Portland Area Carbon Monoxide Plan; Oregon State Implementation Plan. Volume 2, Section 4.58, Attachment 3.1. December 10.
- . 2007. Portland-Vancouver Air Quality Maintenance Area (Oregon Portion) and Salem-Keizer Ozone Maintenance Plan, adopted by the Environmental Quality Commission February 22, 2007.
- . 2009. 2009 Oregon Air Quality Data Summaries. June 2010 (10-AQ-009).
- Oregon Department of Fish and Wildlife (ODFW). 2010. Threatened, endangered, and candidate fish and wildlife species in Oregon. Accessed March 2, 2010 at http://www.dfw.state.or.us/wildlife/diversity/species/threatened_endangered_species.asp
- Oregon Department of Geology and Mineral Industries (DOGAMI). 2010. List of existing mining permits (Excel spreadsheet; updated 08-09-2010). Accessed August 24, 2010 at <http://www.oregongeology.org/sub/mlr/mlrhome.htm>
- Oregon Department of Revenue. 2009a. Oregon income tax, part-year resident/nonresident. Accessed September 30, 2010 at <http://www.oregon.gov/DOR/PERTAX/docs/2009Forms/101-045-09.pdf>
- . 2009b. State of Oregon lodging tax: frequently asked questions. Document No. 150-604-401. March. Accessed October 8, 2010 at <http://www.oregon.gov/DOR/BUS/docs/604-401.pdf>
- . 2010. "Where do the taxes go?" Property taxes: timber taxes. Accessed September 20, 2010 at <http://www.oregon.gov/DOR/TIMBER/tax-receipts.shtml>

- Oregon Department of Transportation, Fuels Tax Group. 2010. Current Oregon fuel tax rates. Accessed October 8, 2010 at http://www.oregon.gov/ODOT/CS/FTG/current_ft_rates.shtml
- Oregon Parks and Recreation Department. 2008. Outdoor Recreation in Oregon: The Changing Face of the Future: The 2008-2012 Oregon Statewide Comprehensive Outdoor Recreation Plan. February. Accessed September 30, 2010 at http://egov.oregon.gov/OPRD/PLANS/docs/scorp/2008_Scorp_Final_Web.pdf
- Oregonian, The. 1949. Front page of The Oregonian, April 14, 1949. Accessed October 4, 2010 at <http://nl.newsbank.com/nl-search/we/Archives/>
- PacifiCorp. 1999. Final Technical Report for Terrestrial Resources. Yale Hydroelectric Project FERC Project No. 2071. Prepared by EDAW, Inc. Seattle, WA.
- . 2010. Habitat protection. Accessed October at <http://www.pacificorp.com/env/ec/hp.html>
- Paine, D. P. and D. W. Hann. 1982. Maximum crown-width equations for southwestern Oregon tree species. Forest Research Lab Research Paper 46. School of Forestry, Oregon State University. Corvallis, OR. 25 pages.
- Personius, S. F. (compiler). 2002. Fault number 880, Lacamas Lake fault: in Quaternary fault and fold database of the United States. Accessed August 23, 2010 at <http://earthquake.usgs.gov/regional/qfaults/>
- Pfauth, M and M. Sytsma. 2004. Integrated aquatic vegetation management plan for Blue Lake Fairview, OR. Prepared for Oregon Department of Environmental Quality, Metro Regional Authority and Interlachen Homeowners Association. 68 pages.
- Phillips, W. M. 1987a. Geologic map of the Mount St. Helens Quadrangle, Washington. Washington Division of Geology and Earth Resources, Open File Report 87-4, scale 1:100,000.
- . 1987b. Geologic map of the Vancouver Quadrangle, Washington and Oregon. Washington Division of Geology and Earth Resources, Open File Report 87-10, scale 1:100,000.
- Portland State University, Population Research Center. 2010. 2009 Population Report. March. Accessed August 16, 2010 at http://www.pdx.edu/sites/www.pdx.edu.prc/files/media_assets/PopRpt09b.pdf
- Power Engineers. 2011. I-5 Transmission Corridor Project Underground Route Study. Prepared for Bonneville Power Administration, Portland, OR. 115 pages.
- Redding, J. M., C. B. Schreck, and F. H. Everest. 1987. Physiological effects on coho salmon and steelhead of exposure to suspended solids. Transactions of the American Fisheries Society 116, pages 737-744.
- Reid, L. M., Dunne, T. 1984. Sediment production from forest road surfaces. Water Resources Research 20, pages 1753-1761.

- Robertson, S. J., W. B. McGill, H. B. Missicotte, and P. M. Rutherford. 2007. Petroleum hydrocarbon contamination in boreal forest soils: a mycorrhizal ecosystems perspective. *Biological Reviews* 82, pages 213-240.
- Rocchio, J. and R. Crawford. 2008. Field Guide to Washington's Ecological Systems. Washington State Department of Natural Resources. Draft – February 7, 2008. 240 pages.
- Samuelson, P. A. and W. D. Nordhaus. 2005. Economics, 18th edition. Boston: McGraw-Hill Irwin.
- Sanders, T. A. 1999. Habitat availability, dietary mineral supplement, and estimating abundance of band-tailed pigeons in western Oregon. Ph.D. dissertation, Oregon State University, Corvallis, OR.
- Seattle Audubon Society (SAS). 2010. Bird web. Seattle Audubon Society. Accessed September 15, 2010 at http://birdweb.org/birdweb/bird_details.aspx?id=55. .
- Sigler, J. W., T. C. Bjornn, and F. H. Everest. 1984. Effects of chronic turbidity on density and growth of steelheads and coho salmon. *Transactions of the American Fisheries Society* 113, pages 142-150.
- Slovic, P. 1991. Beyond numbers: A broader perspective on risk perception and risk communication. Pages 48-65 in D. Mayo and R. Hollander (editors), *Acceptable Evidence: Science and Values in Risk Management*. New York: Oxford University Press.
- Smith Travel Research. 2010. Hotel/Motel Census Database. Data retrieved for Hotels and Motels in Cowlitz, Clark, and Multnomah Counties on September 17, 2010.
- Stateparks.com. 2010. Columbian white-tailed deer national wildlife refuge. Accessed September 17, 2010 at http://www.stateparks.com/columbian_whitetailed_deer.html
- Soil Conservation Service (USDA Soil Conservation Service). 1994. National Food Security Act Manual. Title 180. Washington, D.C.
- Southwest Clean Air Agency. 2006. Supplement to the Washington State Implementation Plan for the Vancouver Portion of the Portland-Vancouver AQMA Ozone Maintenance Plan, November 2, 2006, Southwest Clean Air Agency, Vancouver, WA.
- Southwest Clean Air Agency . 2007. Supplement to the Washington State Implementation Plan, Vancouver Air Quality Maintenance Area Second 10-year Carbon Monoxide Maintenance Plan, March 1, 2007, Southwest Clean Air Agency, Vancouver, WA.
- Spence, B. C., G. A. Lomnický, R. M. Hughes, and R. P. Novitzki. 1996. An ecosystem approach to salmonid conservation. TR-4501-96-6057. ManTech Environmental Research Services Corp., Corvallis, OR.
- Stehr, C. M., T. L. Linbo, D. H. Baldwin, N. L. Scholz, J. P. Incardona. 2009. Evaluating the effects of forestry herbicides on fish development using rapid phenotypic screens. *North American Journal of Fisheries Management* 29(4), pages 975-984.

- Stinson, D. W., J. W. Watson, and K. R. McAllister. 2007. Washington State Status Report for the Bald Eagle. Olympia, WA: Washington Department of Fish and Wildlife, Olympia. 86 pp. Accessed May 17, 2012 at <http://www.fws.gov/oregonfwo/Species/Data/BaldEagle/>.
- Stover, C. W., and J. L. Coffman. 1993. Seismicity of the United States, 1568-1989 (Revised). U.S. Geological Survey Professional Paper 1527, United States Government Printing Office, WA.
- Sullivan, K., T. E. Lisle, C. A. Dolloff, G. E. Grant, and L. M. Reid. 1987. Stream channels: the link between forests and fishes. Pages 39-97 in Salo, E. O and T. W. Cundy (editors). Streamside Management: Forestry and Fishery Interactions. University of Washington, Institute of Forest Resources, Seattle, WA.
- Suttle, K. B., M. E. Power, J. M. Levin, and C. McNee. 2004. How fine sediment in riverbeds impairs growth and survival of juvenile salmonids. *Ecological Applications* 14, pages 969-974.
- Swanson, F. J., R. J. Janda, and D. N. Swanston. 1982. Sediment budgets and routing in forested drainage basins: U.S. Forest Service General Technical Report PNW-141.
- Tacoma Power. 2004. Cowlitz River Fisheries and Habitat Management Plan (FHMP). Cowlitz River Project, FERC No. 2016. Tacoma, WA. 299 pages.
- The Washington State Transportation Commission and the Washington State Department of Transportation (WSTC and WSDOT). 2006. Washington Transportation Plan 2007-2026. Prepared for Governor Christine Gregoire and the Washington State Legislature. November 14, 2006.
- Thomas, J. W. E. D. Forsman, J. B. Lint, E. G. Meslow, B. R. Noon, and J. Verner. 1990. A conservation strategy for the Northern spotted owl: a report of the Interagency Scientific Committee to address the conservation of the Northern spotted owl. U.S. Forest Service, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, National Park Service. Portland, OR. 427 pages.
- Tu M., C. Hurd, and J. M. Randall. 2001. Weed Control Methods Handbook. Accessed at <http://www.invasive.org/gist/handbook.html>
- Urie, D. H. 1971. Estimated groundwater yield following strip cutting in pine plantations. *Water Resources Research* 7, pages 1497-1510.
- U.S. Bureau of Economic Analysis. 2010. Table CA05N, personal income and detailed earnings by NAICS industry, 2008. April. Accessed August 20, 2010 at <http://www.bea.gov/regional/reis/default.cfm?selTable=CA05>
- U.S. Census Bureau. 2008. Average family size, United States. 2006-2008 American community survey 3-year estimates. Accessed October 8, 2010 at <http://factfinder.census.gov/>
- . 2000d. American FactFinder help: Subject characteristic: Poverty status in 1999. Accessed January 13, 2011 at http://factfinder.census.gov/servlet/MetadataBrowserServlet?type=subject&id=POVERTYSF3&dsspnName=DEC_2000_SF3&back=update&lang=en

- . 2010a. Table B03002 Hispanic or Latino origin by race, total population, 2006-2008 American community survey 3-year estimates. [Data retrieved for Cowlitz, Clark, and Multnomah Counties individually.] Accessed June 2, 2010 at <http://factfinder.census.gov>
- . 2011. Poverty definitions. Accessed January 13, 2011 at <http://www.census.gov/hhes/www/poverty/methods/definitions.html>
- U.S. Department of Agriculture (USDA). 2009. Aerial photographs of Clark County and Cowlitz County. Color orthoimage. Horizontal resolution: 1 meter. U.S. Department of Agriculture, Farm Service Agency, Aerial Photography Field Office. Publication date: November 2009. Accessed January 2010 at http://gis.ess.washington.edu/data/raster/doqs_naip.html
- U.S. Department of Labor, Bureau of Labor Statistics. 2009a. Metropolitan and nonmetropolitan area occupational employment and wage estimates. [Data retrieved for Seattle-Tacoma-Bellevue MSA, Portland-Vancouver-Beaverton MSA, and Olympia MSA individually.] Accessed May 26, 2010 at <http://www.bls.gov/oes/current/oesrcma.htm>
- . 2009b. Occupational injuries and illnesses and fatal injuries profiles. Accessed September 30, 2010 at <http://data.bls.gov:8080/GQT/servlet/InitialPage>
- U.S. Department of Transportation. 2009. Memorandum to secretarial officers, Re: Treatment of the economic value of a statistical life in departmental analyses—2009 Annual Revision. Accessed September 30, 2010 at <http://ostpxweb.dot.gov/policy/reports/VSL%20Guidance%20031809%20a.pdf>
- U.S. Fish and Wildlife Service (USFWS). 2005. U.S. Fish and Wildlife Service Endangered Species Act fact sheet: Habitat conservation plans, Section 10 of the Endangered Species Act. Created December 2005. Accessed April 20, 2011 at http://www.fws.gov/midwest/endangered/permits/hcp/hcp_wofactsheet.html
- . 2010a. 2010 Draft Revised Recovery Plan for the Northern Spotted Owl (*Strix occidentalis caurina*). Portland, OR.
- . 2010b. Listed and proposed endangered and threatened species and critical habitat; candidate species; and species of concern in Cowlitz and Clark Counties, Washington (revised November 1, 2007) as prepared by the U.S. Fish and Wildlife Service Western Washington Fish and Wildlife Office. Accessed September 13, 2010 at <http://www.fws.gov/wafwo/speciesmap.html>
- . 2010c. Recovery Plan for the Prairie Species of Western Oregon and Southwestern Washington. Portland, OR. 241 pages.
- U.S. Geological Survey (USGS). 2003. National atlas of the United States. Updated March 5, 2003. Accessed February 11, 2011 at <http://nationalatlas.gov>
- . 2010a. Earthquake Search: Accessed July 21, 2010 at <http://earthquake.usgs.gov/earthquakes/eqarchives/epic/>
- . 2010b. Volcanic ash: Effects and mitigation strategies. Accessed September 17, 2010 at <http://volcanoes.usgs.gov/ash/power/index.php>

- Vias, A. C. 1999. Jobs follow people in the rural Rocky Mountain West. *Rural Development Perspectives* 14(2), pages 14-23.
- Wade, G. 2000. Salmon and Steelhead Habitat Limiting Factors, Water Resource Inventory Area 27. Washington State Conservation Commission. January 19.
- Waltert, F. and F. Schlapfer. 2007. The role of landscape amenities in regional development: A survey of migration, regional economic and hedonic pricing studies. Working Paper No. 0710. University of Zurich. August.
- Warren, D. 2009. Production, prices, employment, and trade in Northwest forest industries, all quarters 2008. USDA Pacific Northwest Research Station, Resource Bulletin PNW-RB-258, Portland, OR.
- Washington Department of Fish and Wildlife (WDFW). 1995. Management recommendations for Washington's priority species – Volume I: Invertebrates. Accessed at <http://wdfw.wa.gov/publications/00024/wdfw00024.pdf>
- . 1997. Management recommendations for Washington's priority species – Volume III: Reptiles. Accessed at <http://wdfw.wa.gov/publications/00026/wdfw00026.pdf>
- . 2000. Management recommendations for Washington's priority species – Volume IV: Birds. Accessed at <http://wdfw.wa.gov/publications/00026/wdfw00026.pdf>
- . 2004. Management recommendations for Washington's priority species – Volume V: Mammals. Accessed at <http://wdfw.wa.gov/publications/00026/wdfw00026.pdf>
- . 2008. Washington Department of Fish and Wildlife priority habitat and species list. Olympia, WA. 176 pages.
- . 2009. 2008-09 Private lands access, cooperators and acres. Accessed August 30, 2010 at http://wdfw.wa.gov/hunting/hunting_access/private_land/
- . 2010. Landscape planning for Washington's wildlife. Appendix B - Species and development database. Accessed September 16, 2010 at http://wdfw.wa.gov/publications/00023/app_b_species_development_database.xls
- . 2011. PHS on the Web: Frequently Asked Questions. Accessed November 17, 2011 at <http://wdfw.wa.gov/mapping/phs/>
- . 2012. Conservation—Game Management. Accessed May 27, 2012 at <http://wdfw.wa.gov/conservation/game/>
- Washington Department of Revenue. 2009a. Table 17A—local sales and use tax distributions: Amounts for all local taxing districts in each county—Fiscal Year 2009." *Tax Statistics* 2009. September. Accessed September 30, 2010 at http://dor.wa.gov/Docs/Reports/2009/Tax_Statistics_2009/Table17.pdf
- . 2009b. Table 25—Property tax levy rates by county; Countywide average rates per \$1,000 assessed value by year due, 2005-2009. *Tax Statistics* 2009. September. Accessed

- September 30, 2010 at
http://dor.wa.gov/Docs/Reports/2009/Tax_Statistics_2009/Table25.pdf
- . 2009c. Table 28—Property tax collections by county for Calendar Year 2008. Tax Statistics 2009. September. Accessed September 30, 2010 at
http://dor.wa.gov/Docs/Reports/2009/Tax_Statistics_2009/Table28.pdf
- . 2009d. Table 20—Timber excise tax distributions by county; Fiscal Year 2006-2009. September. Accessed September 30, 2010 at
http://dor.wa.gov/Docs/Reports/2009/Tax_Statistics_2009/Table20.pdf
- . 2010a. Local sales and use tax rates and changes. Accessed September 30, 2010 at
http://dor.wa.gov/docs/forms/excstx/locsalusetx/localslsuseflyer_quarterly.pdf
- . 2010b. Business and occupation tax classifications. Accessed September 30, 2010 at
<http://dor.wa.gov/Content/FindTaxesAndRates/BAndOTax/BandOrates.aspx>
- . 2010c. Public utility tax. Accessed September 30, 2010 at
http://dor.wa.gov/content/findtaxesandrates/othertaxes/tax_pubutil.aspx
- . 2010d. Lodging information rates and changes: Effective July 1 – September 30, 2010. Accessed October 8, 2010 at
http://dor.wa.gov/Docs/forms/Excstx/Lodging/LodgingFlyer_10_Q2.pdf
- Washington State Department of Ecology (Ecology). 1992. Washington's wetlands: Olympia, WA. Washington State Department of Ecology publication 92-105, 12 pages as cited in Washington's Wetland Resources. Accessed September 8, 2010 at
<http://wa.water.usgs.gov/pubs/misc/wetlands/>
- . 2005a. Stormwater management manual for Western Washington. April 2005. Five volumes. Accessed at <http://www.ecy.wa.gov/pubs/0510030.pdf>
- . 2005b. Wetlands in Washington State. Chapter 2 Volume 1 – A synthesis of the science. Department of Ecology State of Washington. Accessed January 25, 2011 at
<http://www.ecy.wa.gov/programs/sea/wetlands/bas/volume1final.html>
- . 2008. Strategic Plan for the Department of Natural Resources 2009-2011 Biennium. August.
- Washington State Department of Natural Resources (WDNR). 1997. Final Habitat Conservation Plan. September. Accessed at
http://www.dnr.wa.gov/ResearchScience/Topics/TrustLandsHCP/Pages/trust_land_hcp_report.aspx
- . 2006. Hydrography data. Digital data compiled in March 2006. Washington State Department of Natural Resources. Obtained in June 2010 from Golder Associates.
- Washington State Department of Transportation (WSDOT). 2008a. Washington State public use airports by ownership, classification and location. July 22, 2008.

- . 2008b. 2008 Washington State collision data summary. Accessed at http://www.wsdot.wa.gov/mapsdata/collision/pdf/Washington_State_Collision_Data_Summary_2008.pdf
- . 2009a. 2009 annual traffic report. In cooperation with the United States Department of Transportation Federal Highway Administration.
- . 2009b. Peak hour report, Year 2009. In cooperation with the United States Department of Transportation Federal Highway Administration.
- . 2010. Aggregate source approval. Accessed September 1, 2010 at <http://www.wsdot.wa.gov/biz/mats/asa/ASASearch.cfm>
- Washington State Department of Wildlife. Undated. Washington wetlands – Time is running out: Olympia, Washington, Washington State Department of Wildlife, 11 pages. Accessed September 8, 2010 at <http://wa.water.usgs.gov/pubs/misc/wetlands/>
- Washington State Recreation and Conservation Office. 2008. Defining and measuring success: The role of state government in outdoor recreation, a state comprehensive outdoor recreation planning document. June. Accessed September 30, 2010 at <http://www.mrsc.org/GovDocs/W3ParksRec.pdf>
- Washington State Office of Financial Management. 2009a. Small area estimate program (SAEP), estimates of total population for Census 2000 Census Designated Places. October 5. Accessed May 20, 2010 at <http://www.ofm.wa.gov/pop/smallarea/default.asp>
- . 2009b. April 1 intercensal population estimates for the state, counties, and cities and towns for 1968 to 2000 and postcensal population estimates for 2000 through 2009, State of Washington. Developed February 2003, revised June 2009. Accessed May 21, 2010 at <http://www.ofm.wa.gov/pop/april1/cociseries/default.asp>
- Washington, State of. 1998. Lower Columbia Steelhead Conservation Initiative (LCSCI). Olympia, WA. Draft of March 10, 1998.
- Weber, D. D., D. J. Maynard, W. D. Gronlund, and V. Konchin. 1981. Avoidance reactions of migrating adult salmon to petroleum hydrocarbons. *Canadian Journal of Fisheries and Aquatic Sciences* 38, pages 779-781.
- Western Regional Climate Center. 2010. Accessed August 27, 2010 at <http://www.wrcc.dri.edu/>
- Whitson, T. D., L. C. Burrill, S. A. Dewey, D. W. Cudney, B. E. Nelson, R. D. Lee, and R. Parker. 1996. *Weeds of the West*. Western Society of Weed Scientists, Newark, CA.
- Wieczorek, G. F. 1996. Landslide triggering mechanisms. Pages 76-90 in Turner, A. K., Schuster, R. L. (editors). 1996. *Landslides: Investigation and Mitigation: Transportation Research Board, Special Report 247*.
- Wilcove, D. and L. Chen. 1998. Management costs for endangered species. *Conservation Biology* 12(6), pages 1405-1407.

- Wilson, D., P. Cook, L. Hutley, S. Tickell, and P. Jolly. 2006. Effect of land use on estimates of evapotranspiration and recharge in the Daly River catchment. Northern Territory Department of Natural Resources the Environment and the Arts, Technical Report No. 17/2006D.
- Wyoming Game and Fish Department (WGFD). 2010. Rocky mountain elk. Habitat extension bulletin No. 27. Accessed September 14, 2010 at <http://gf.state.wy.us/downloads/pdf/habitat/Bulletin%20No.%2027.pdf>
- Zenner, E. K. 2000. Do residual trees increase structural complexity in Pacific Northwest coniferous forests? *Ecological Applications* 10, pages 800-810.
- Ziemer, R. R., and T. E. Lisle. 1998. Chapter 3. Hydrology. Pages 43-68 in Naiman, Robert J., and Robert E. Bilby (editors), *River Ecology and Management: Lessons from the Pacific Coastal Ecoregion*. Springer-Verlag, NY.